

FIG. 1

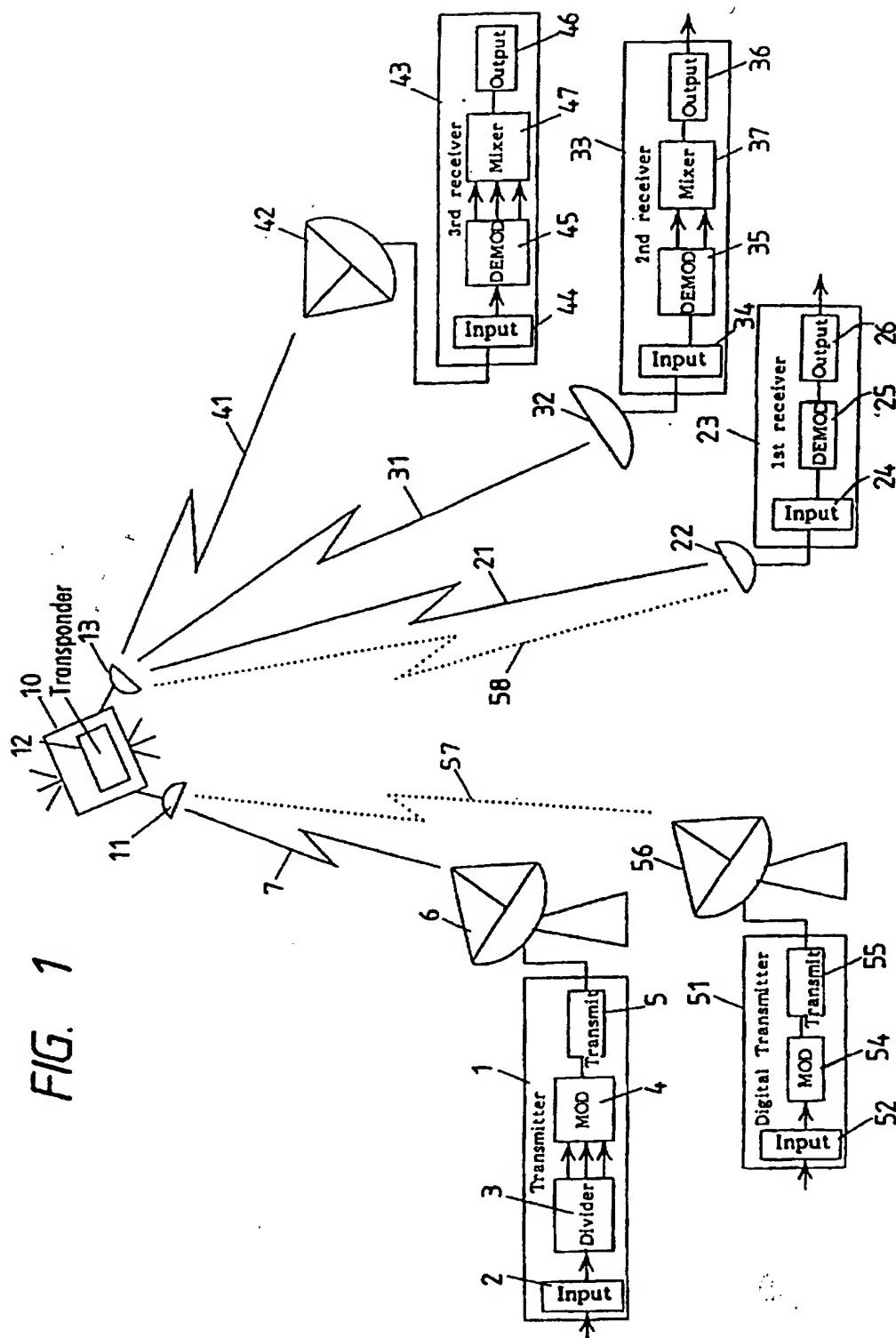
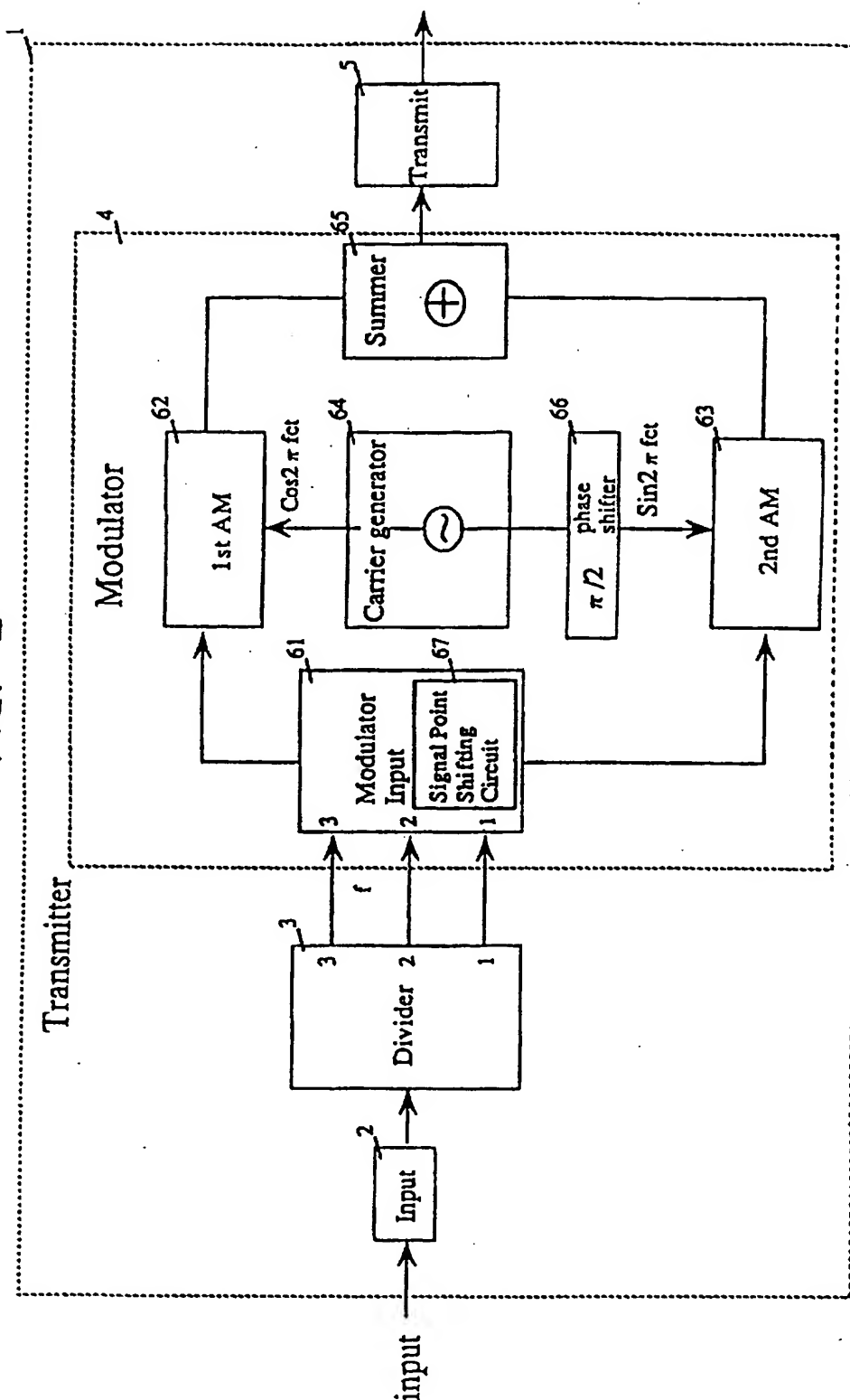
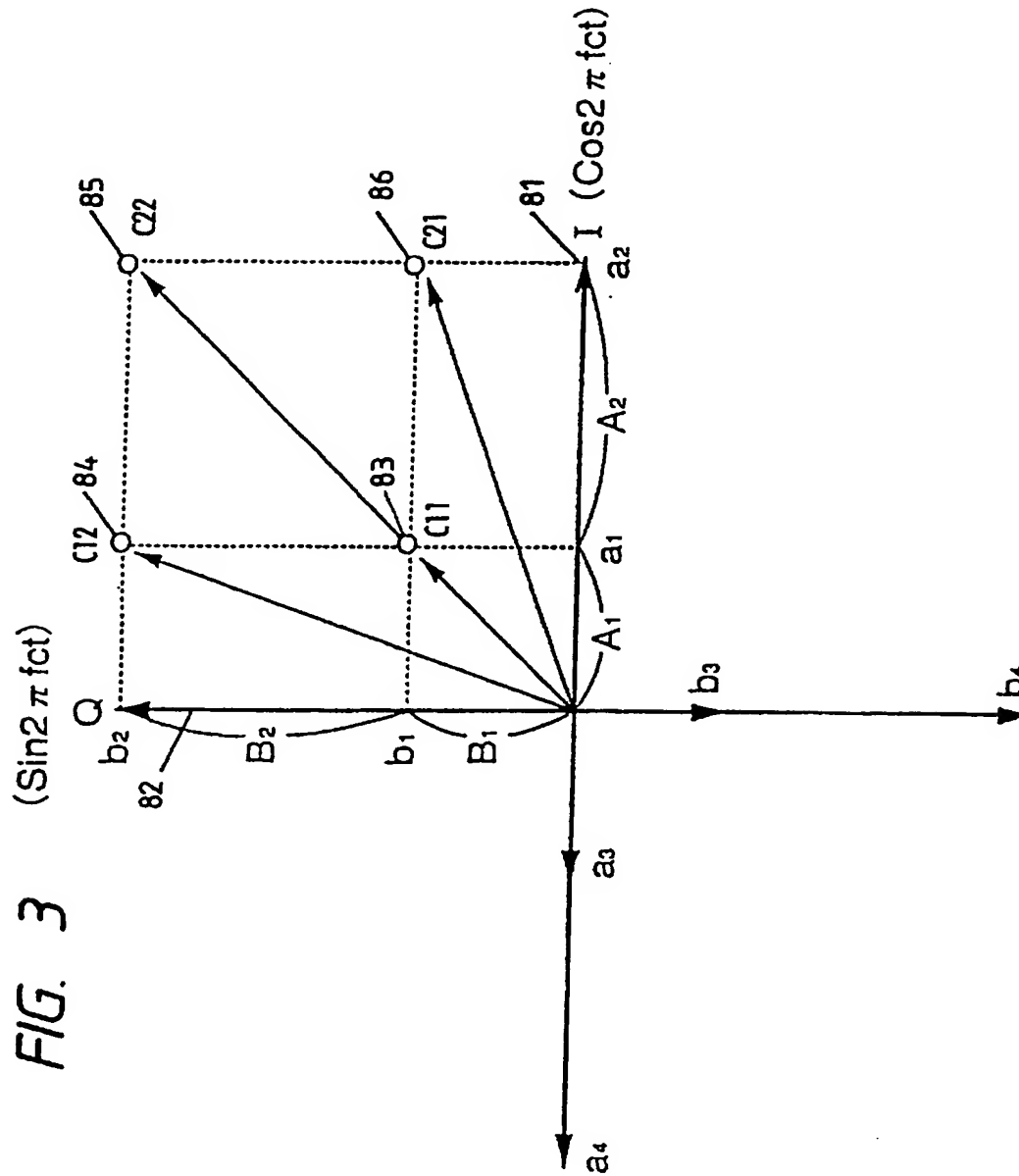
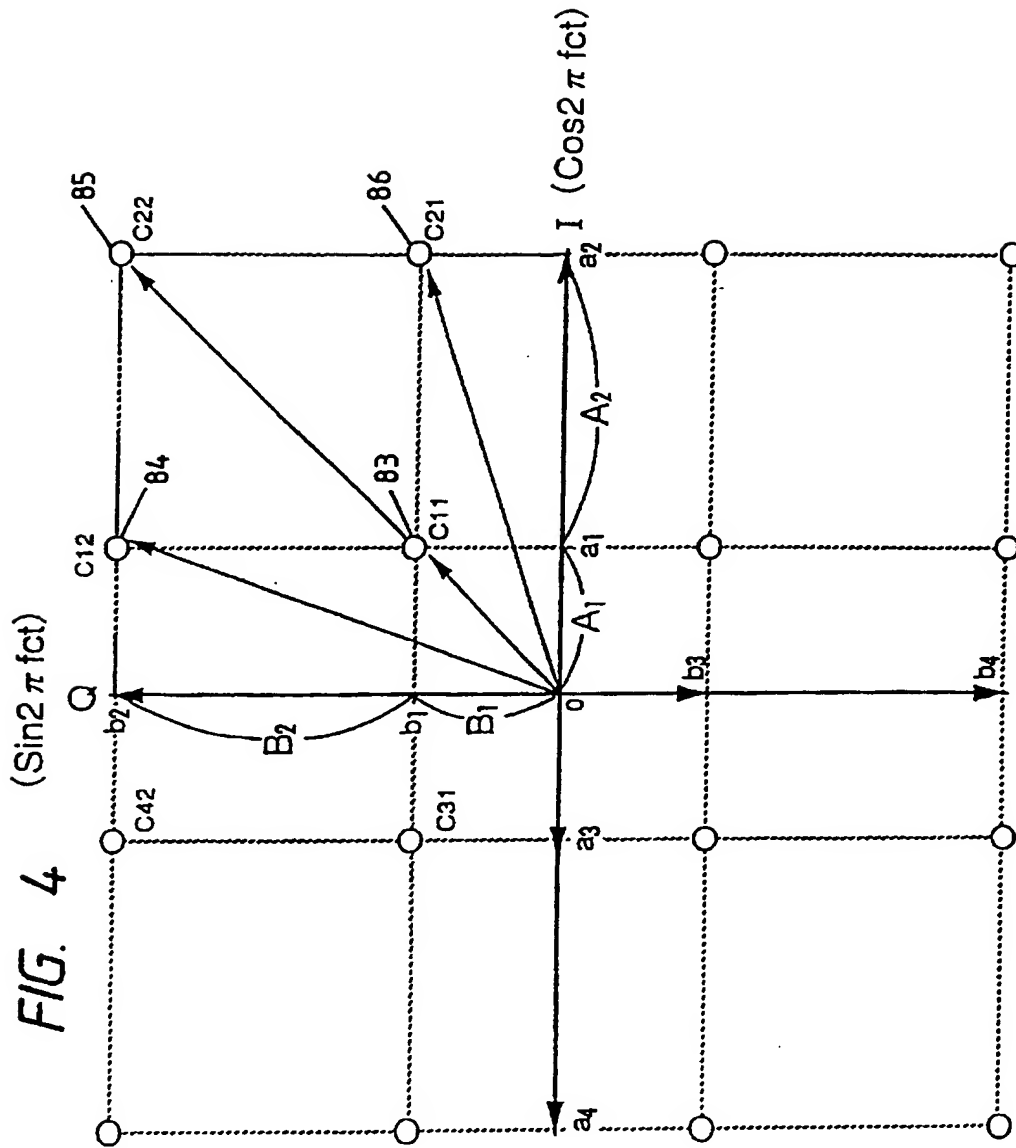


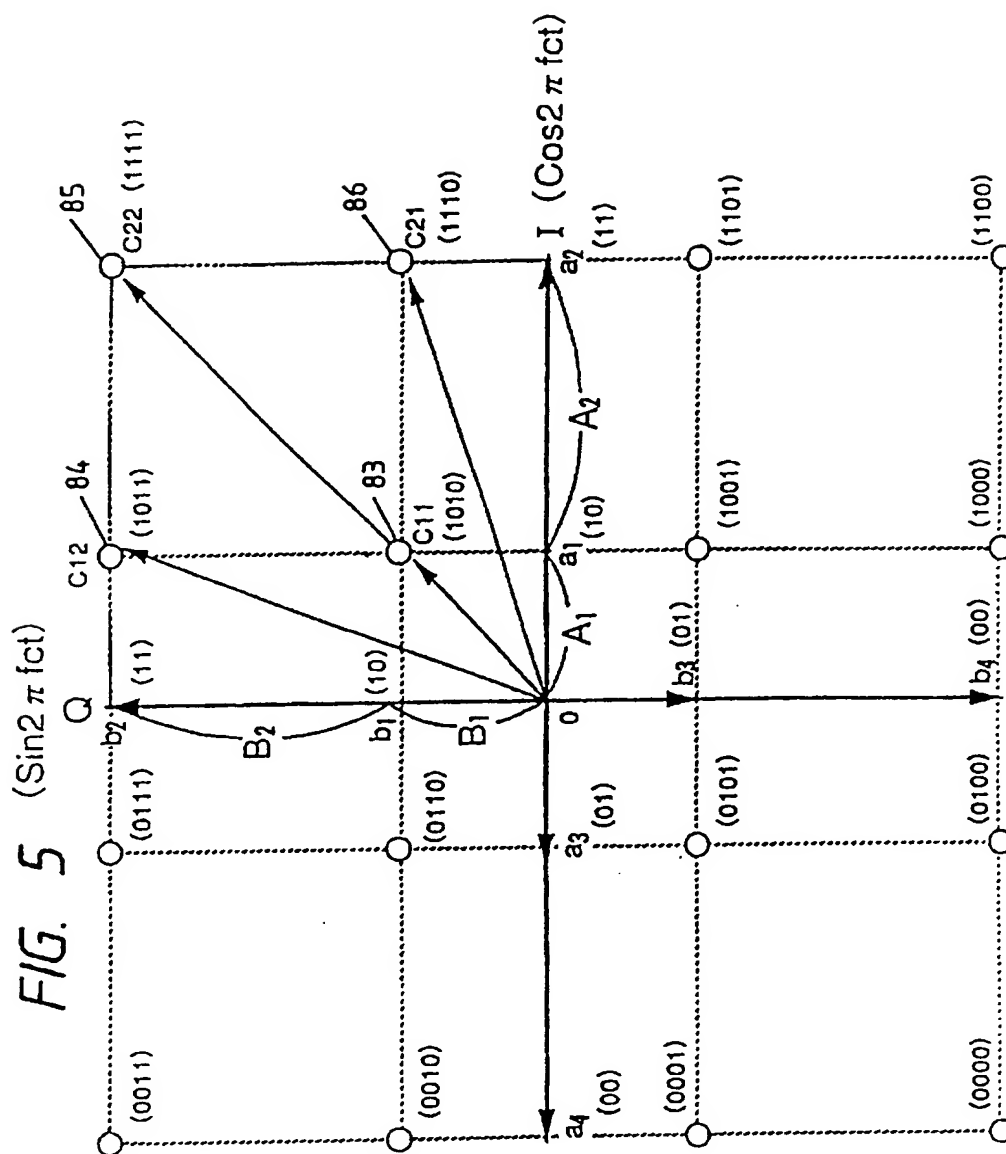
FIG. 2

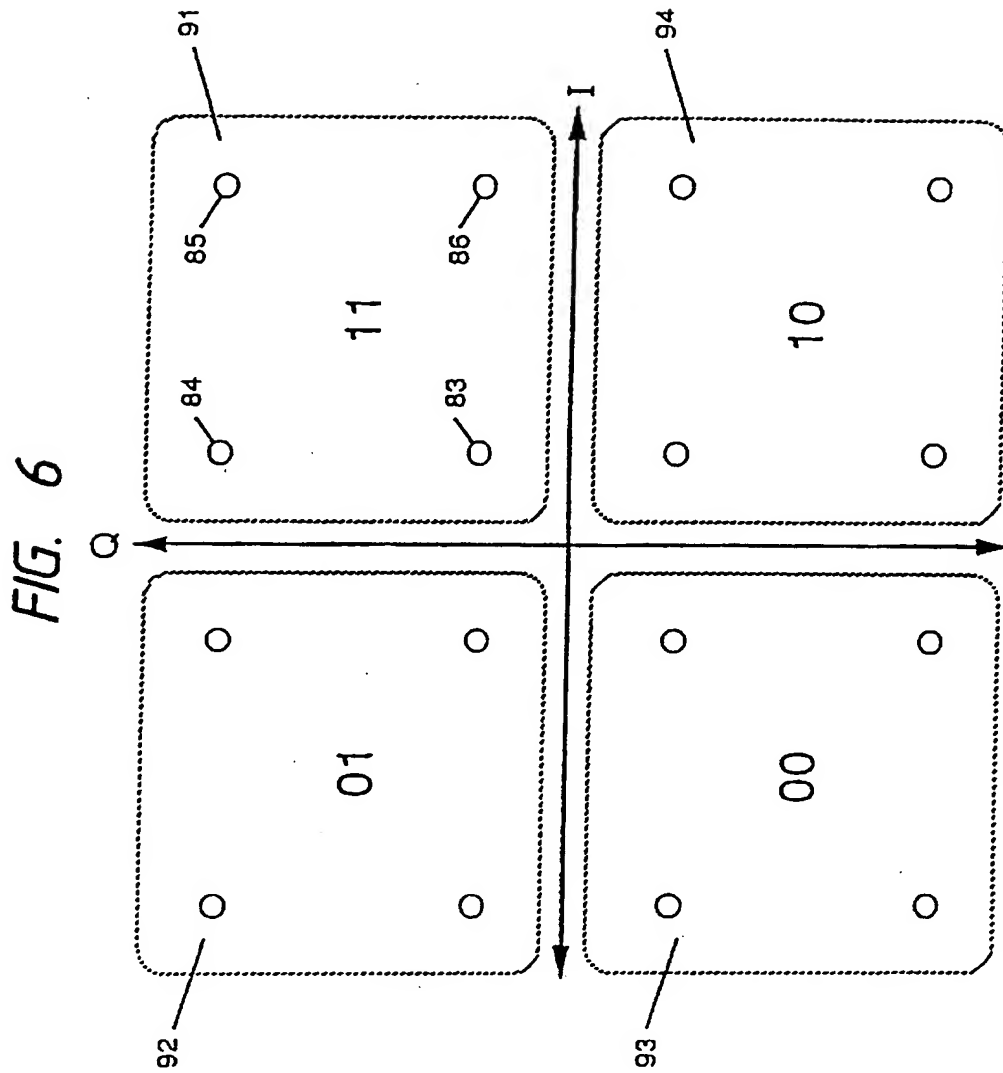


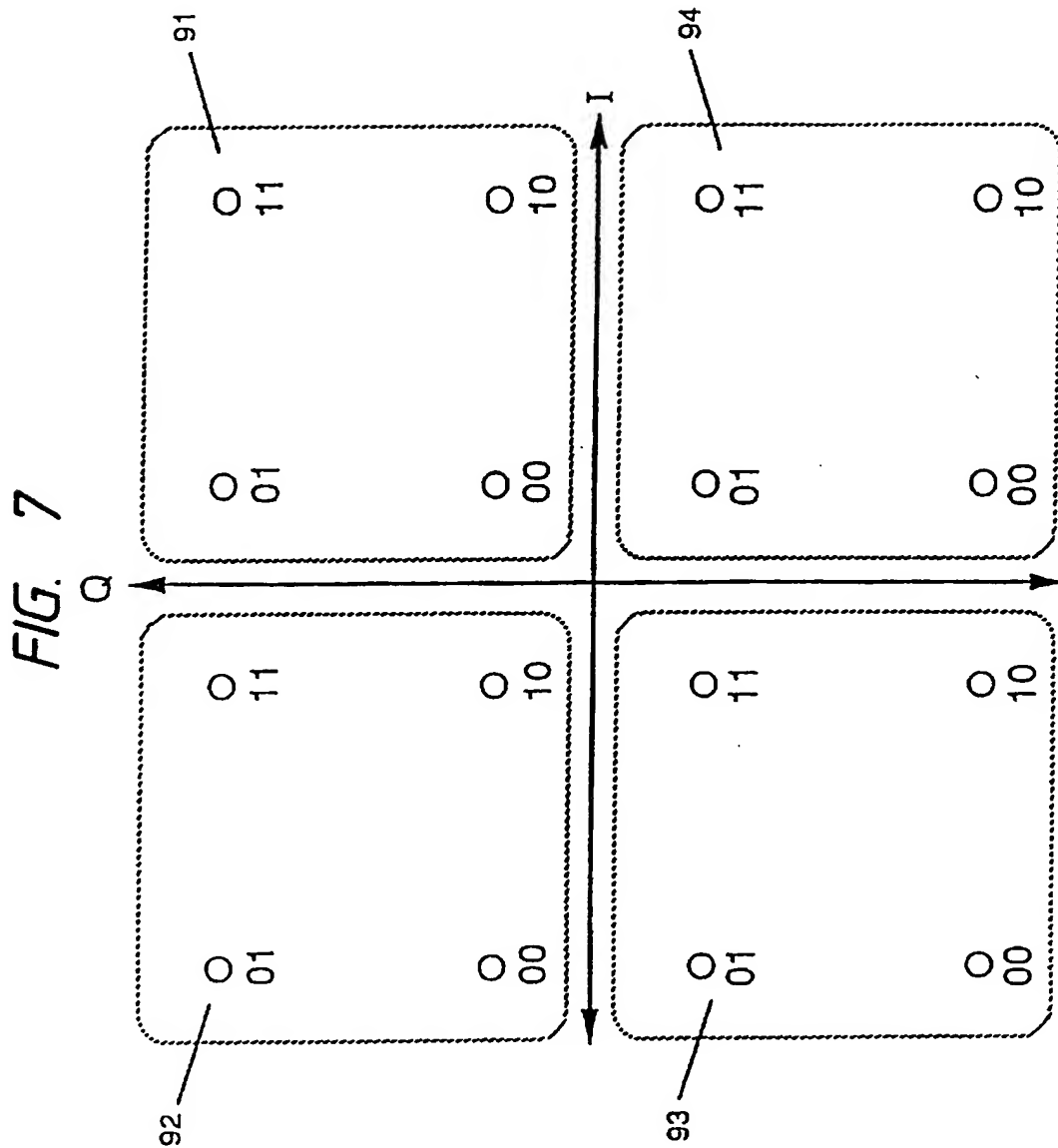












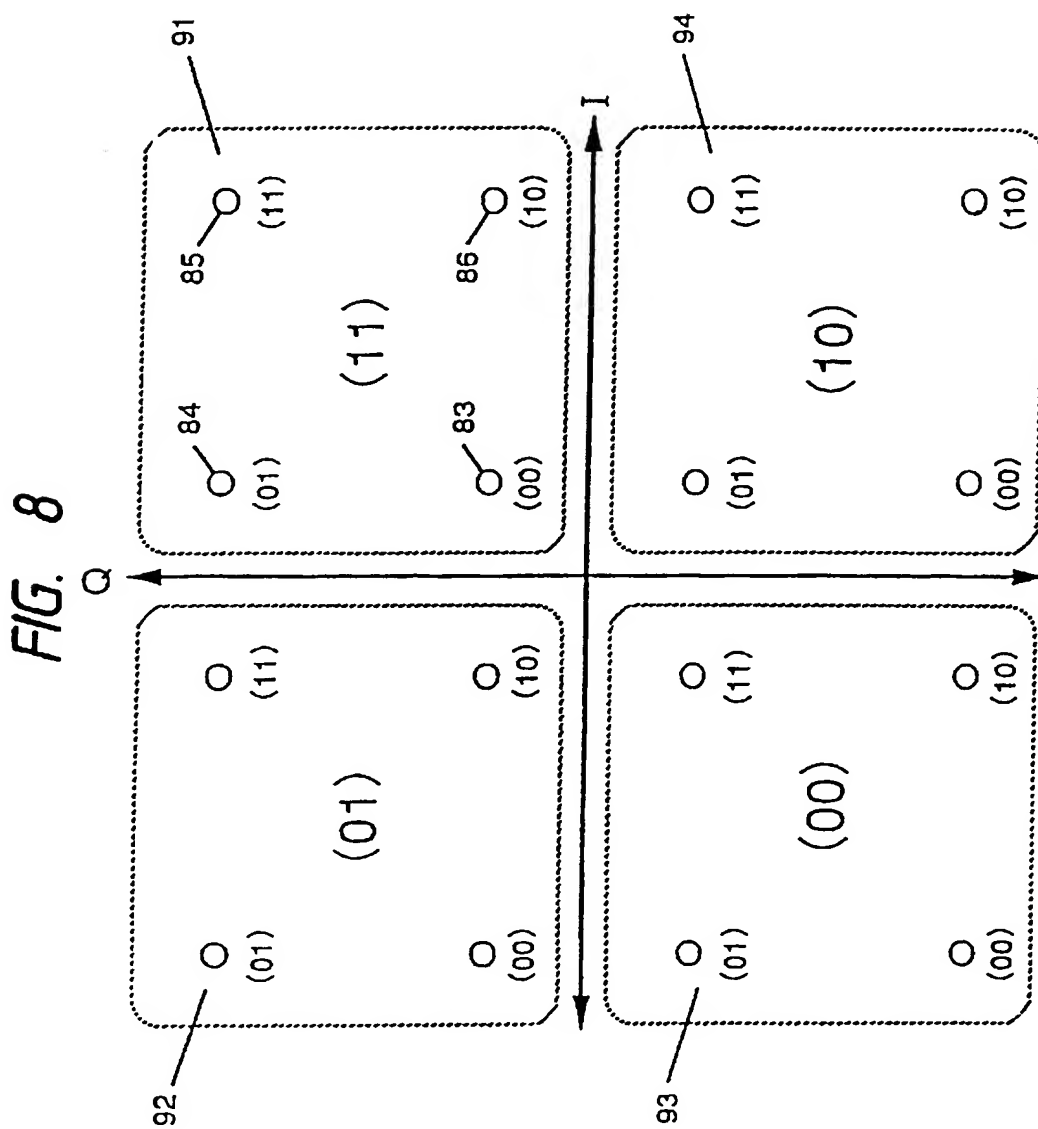


FIG. 9

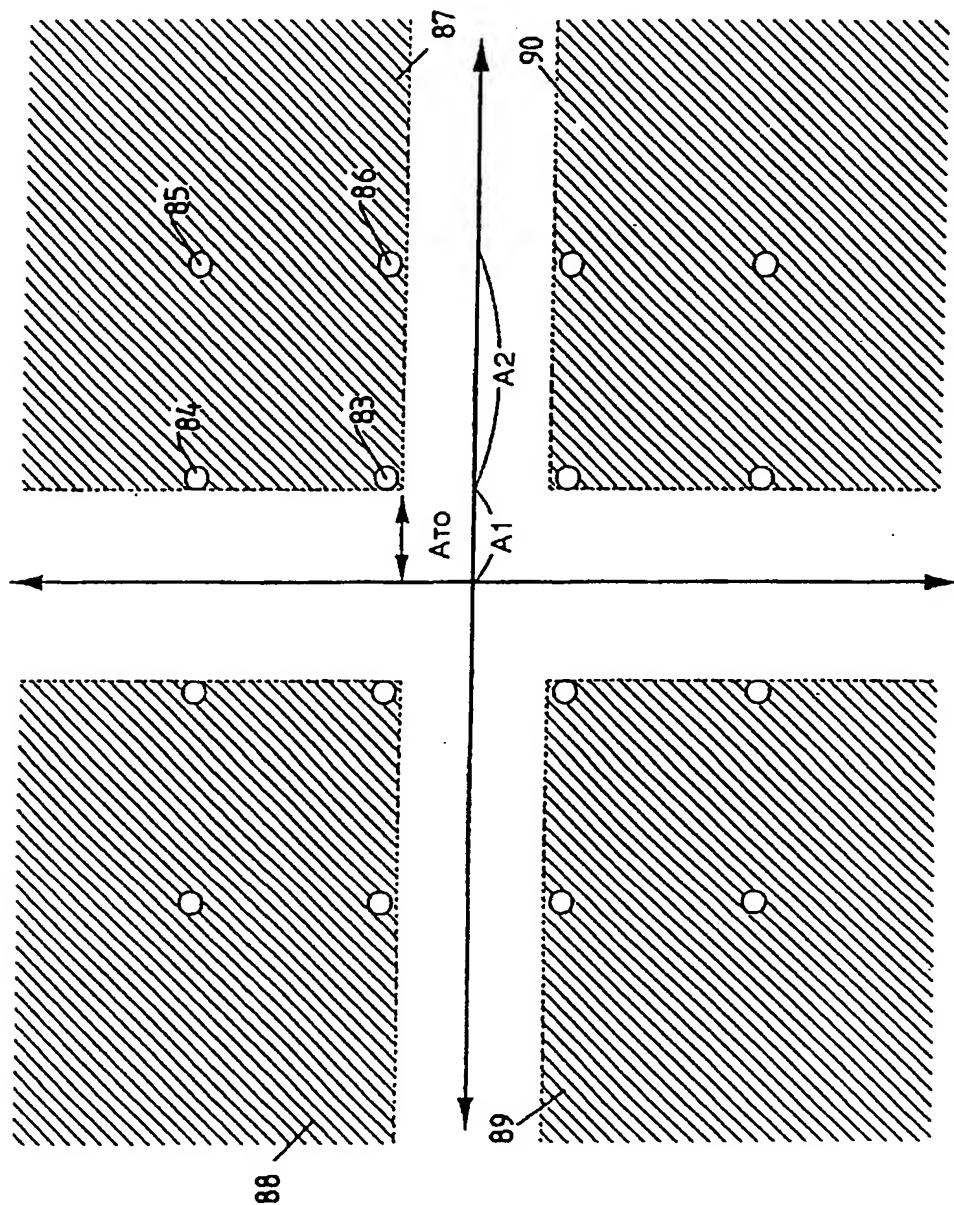
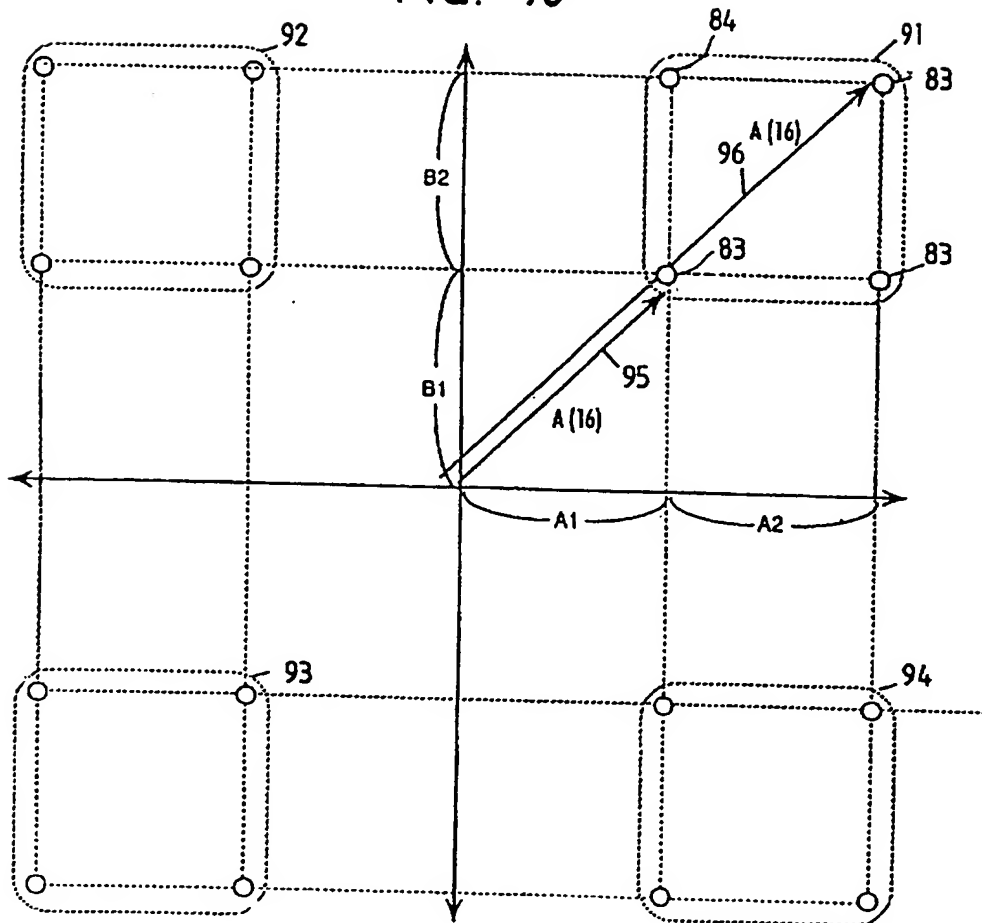


FIG. 10



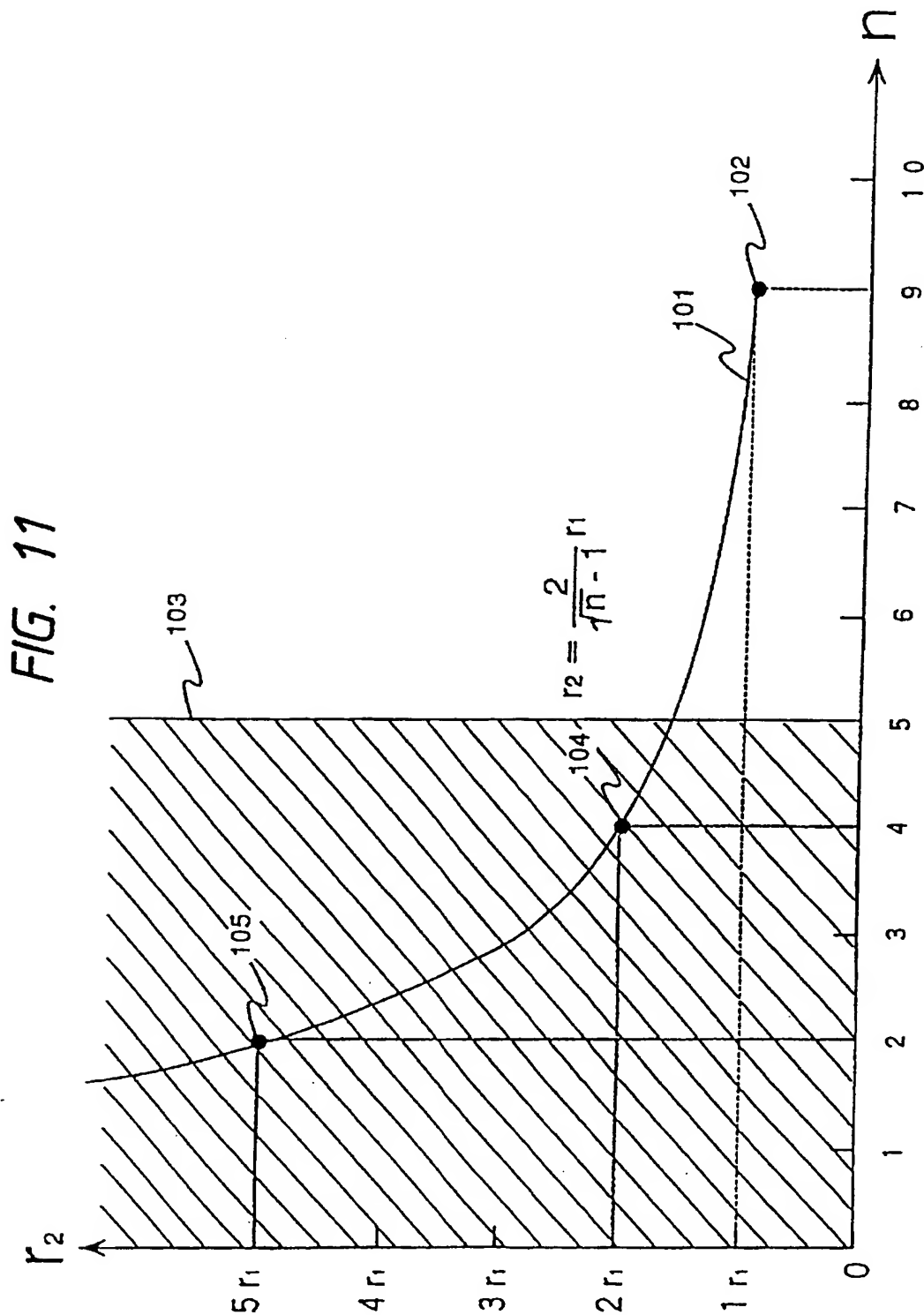
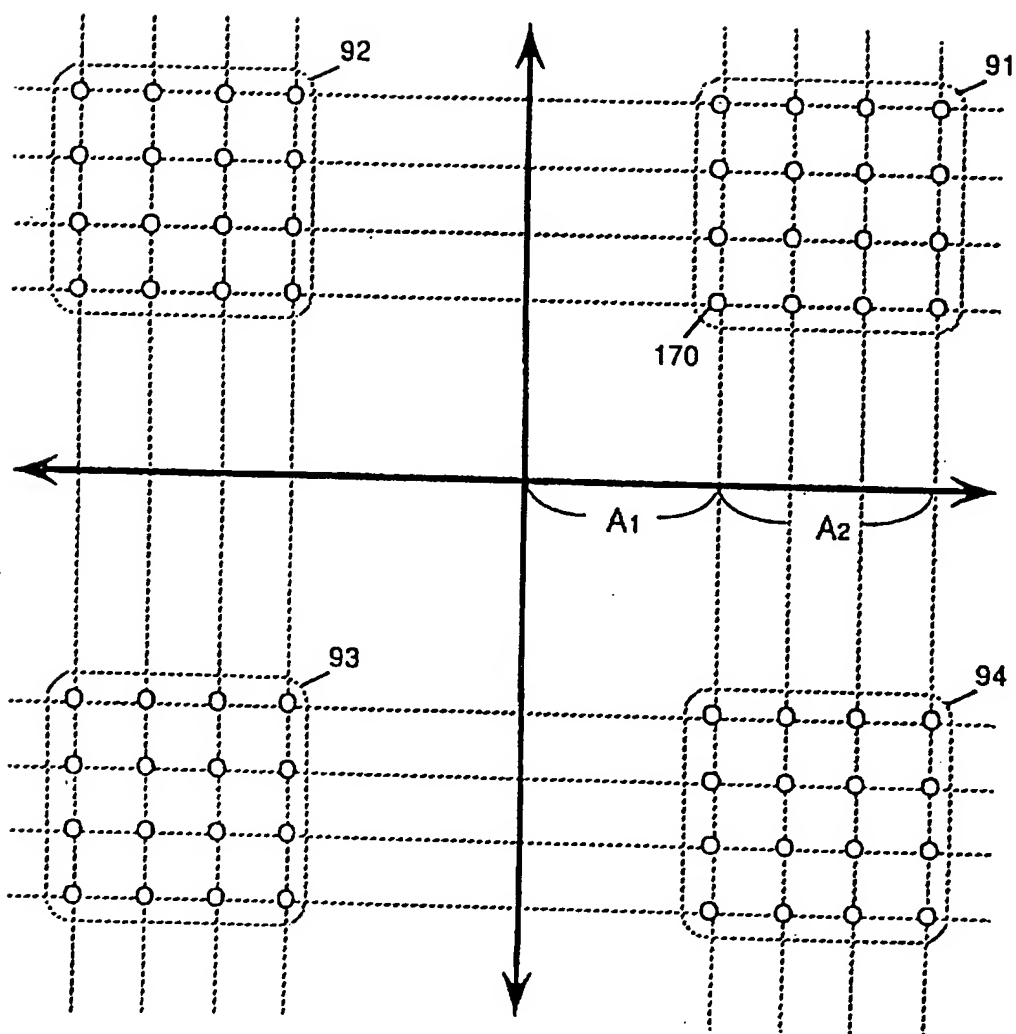
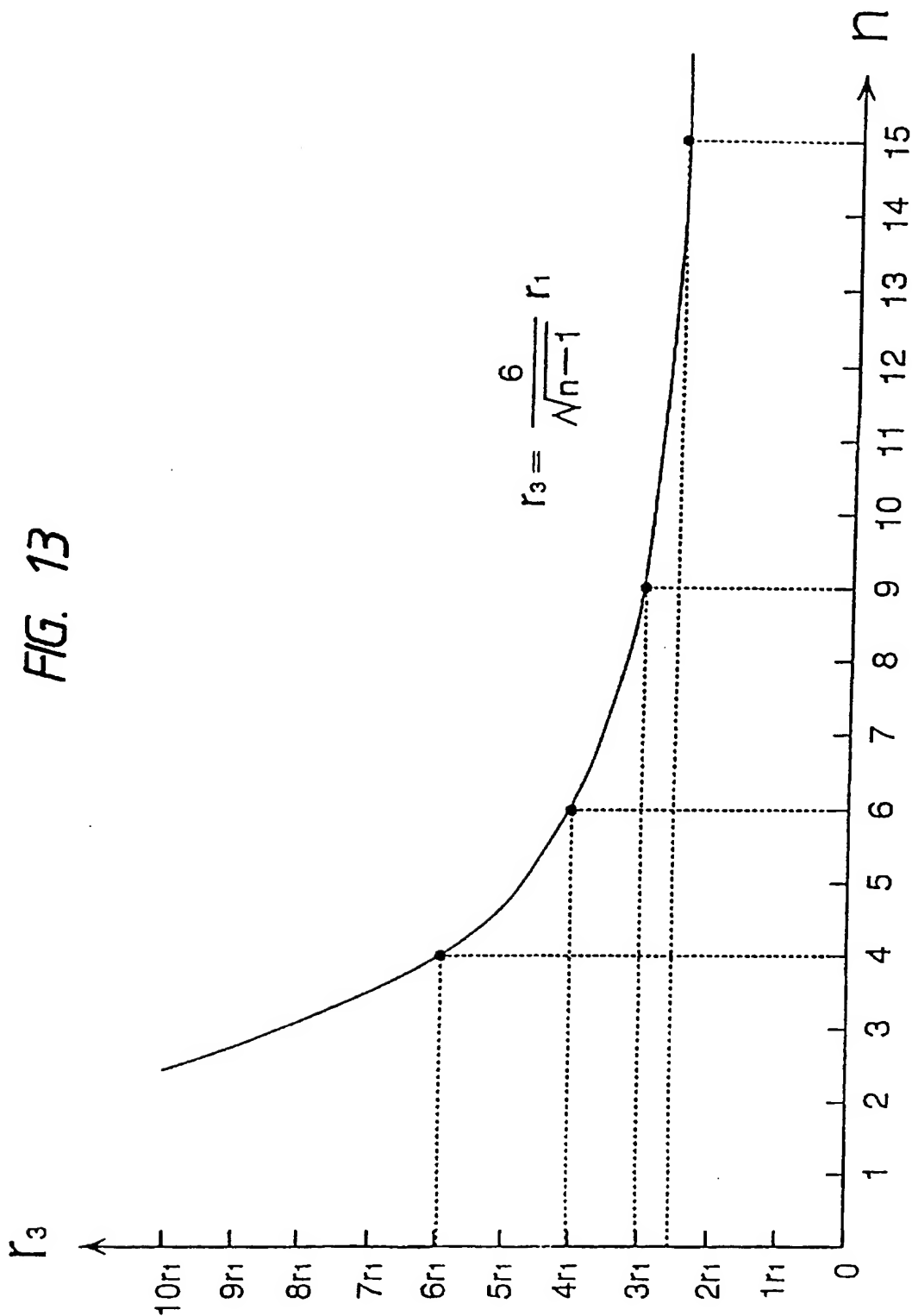


FIG. 12







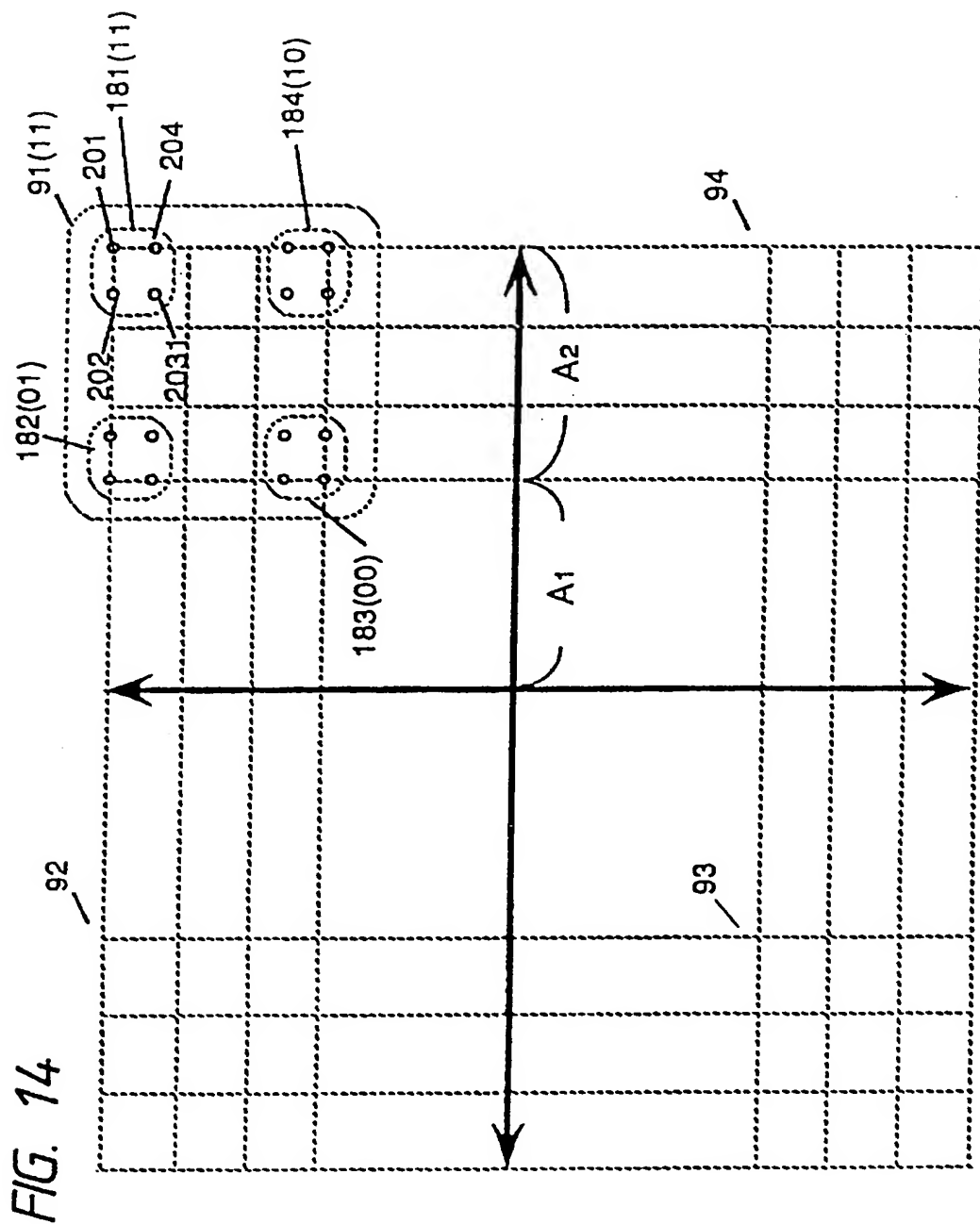


FIG. 15

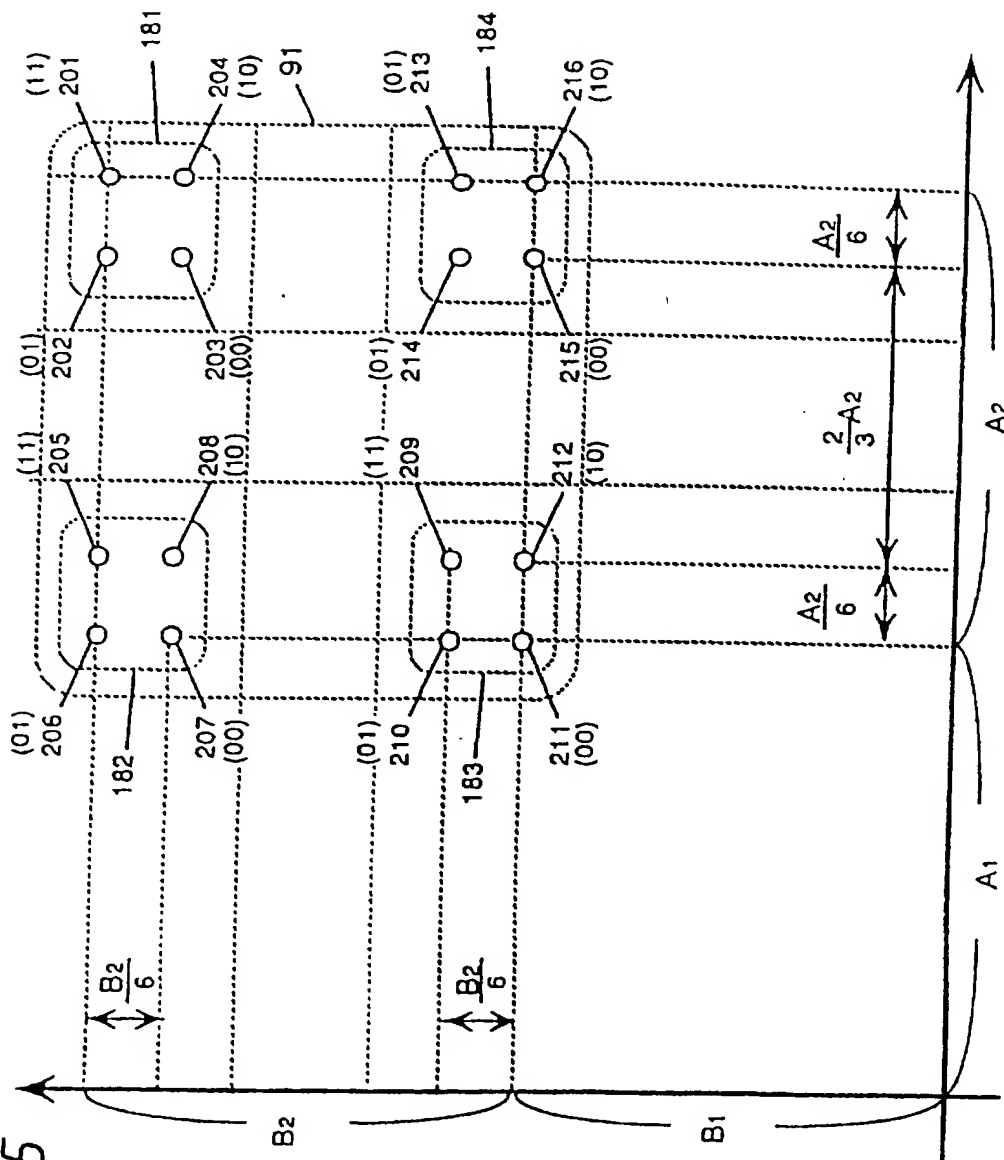


FIG. 16

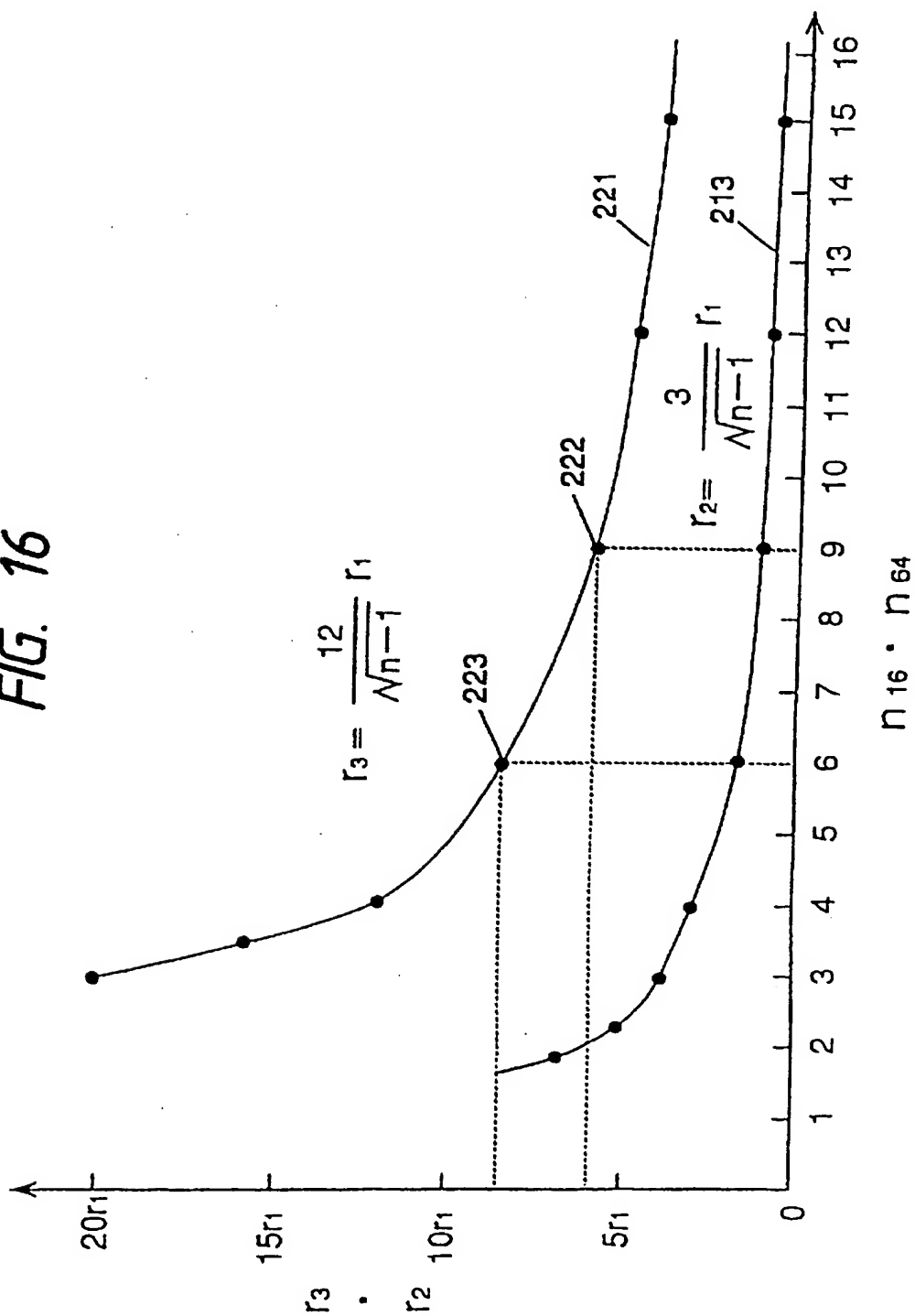


FIG. 17

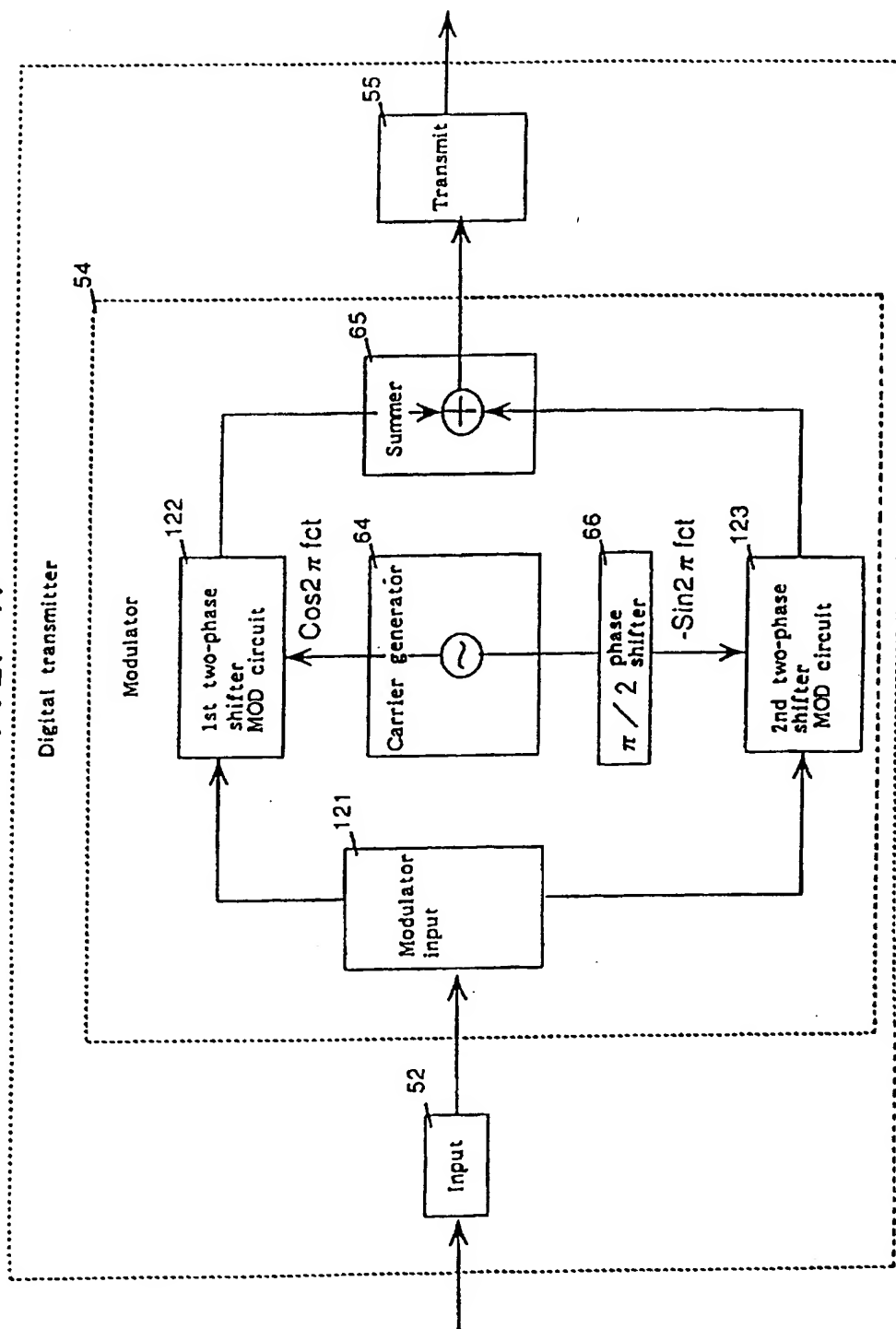


FIG. 18

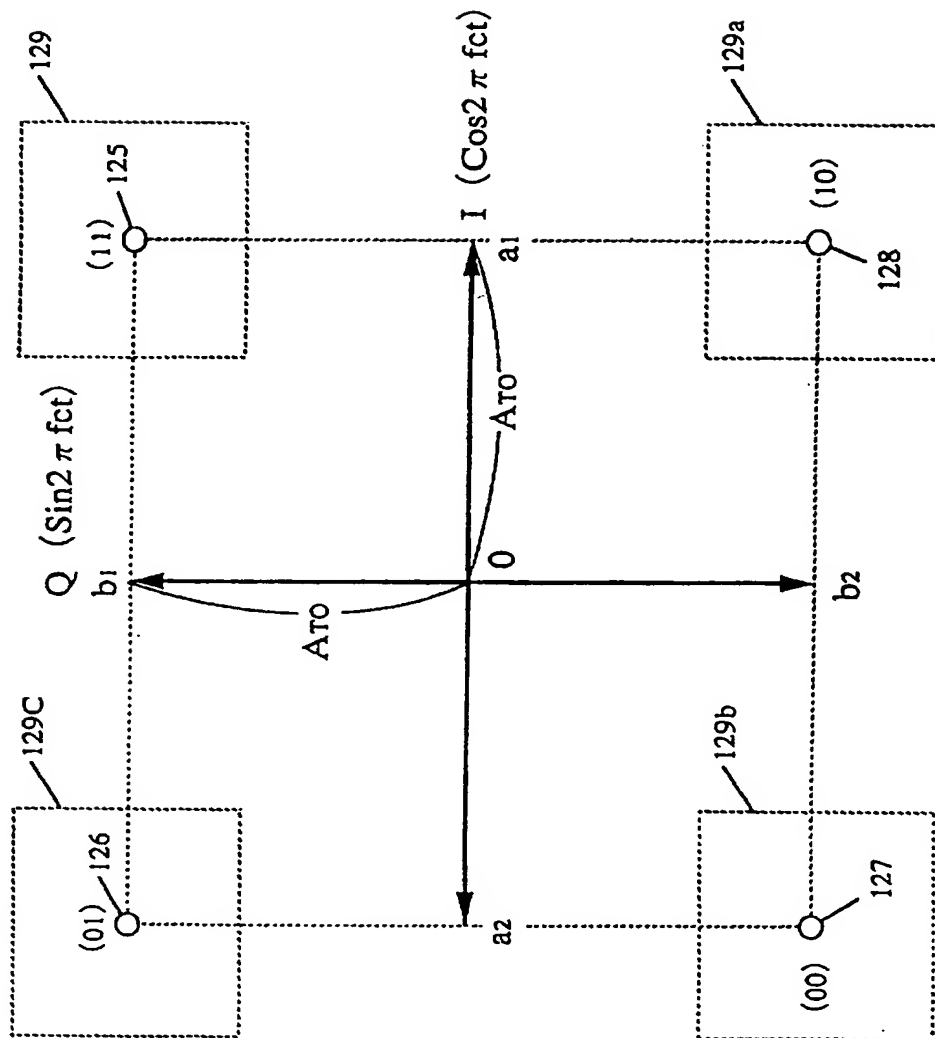
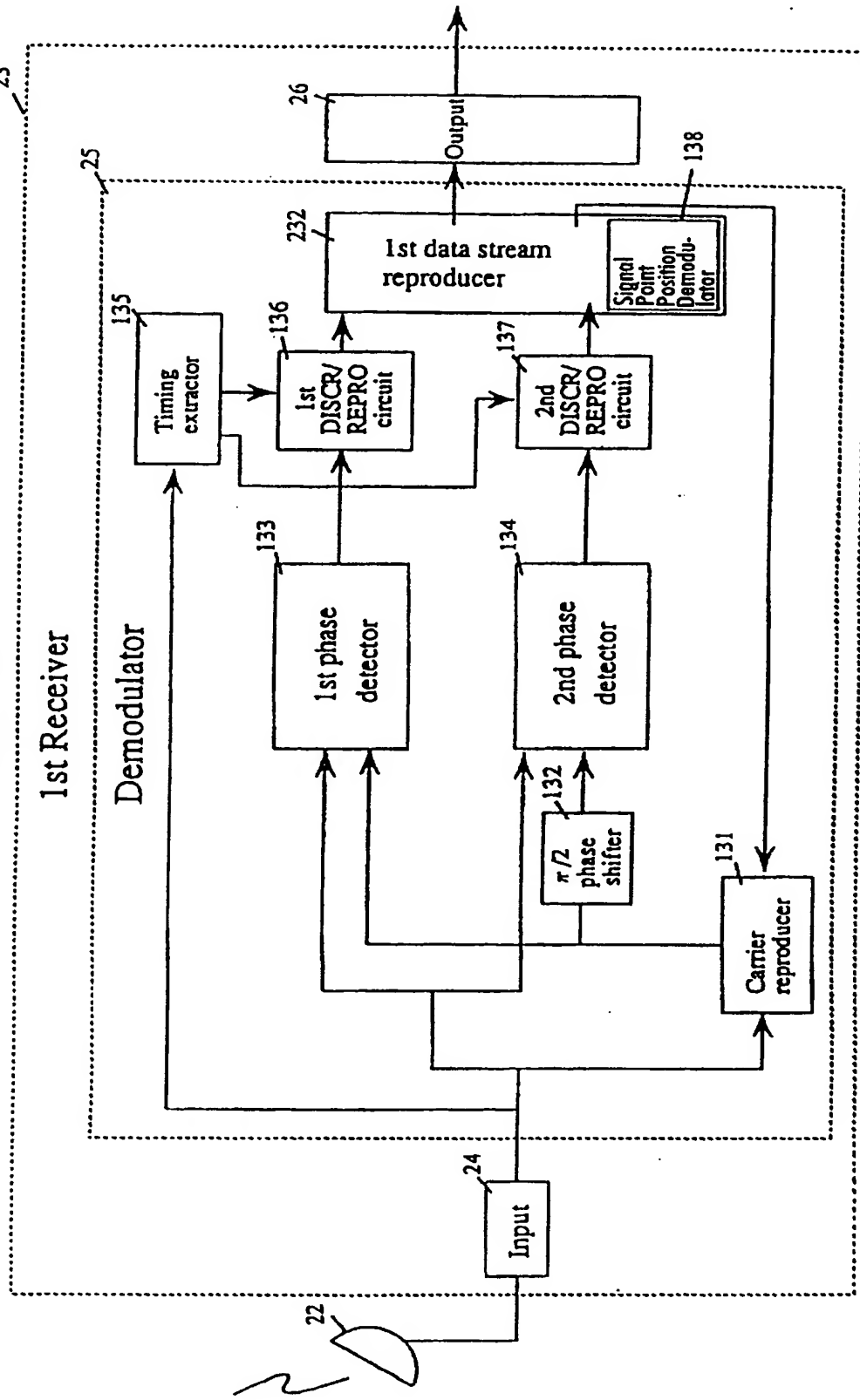


FIG. 19



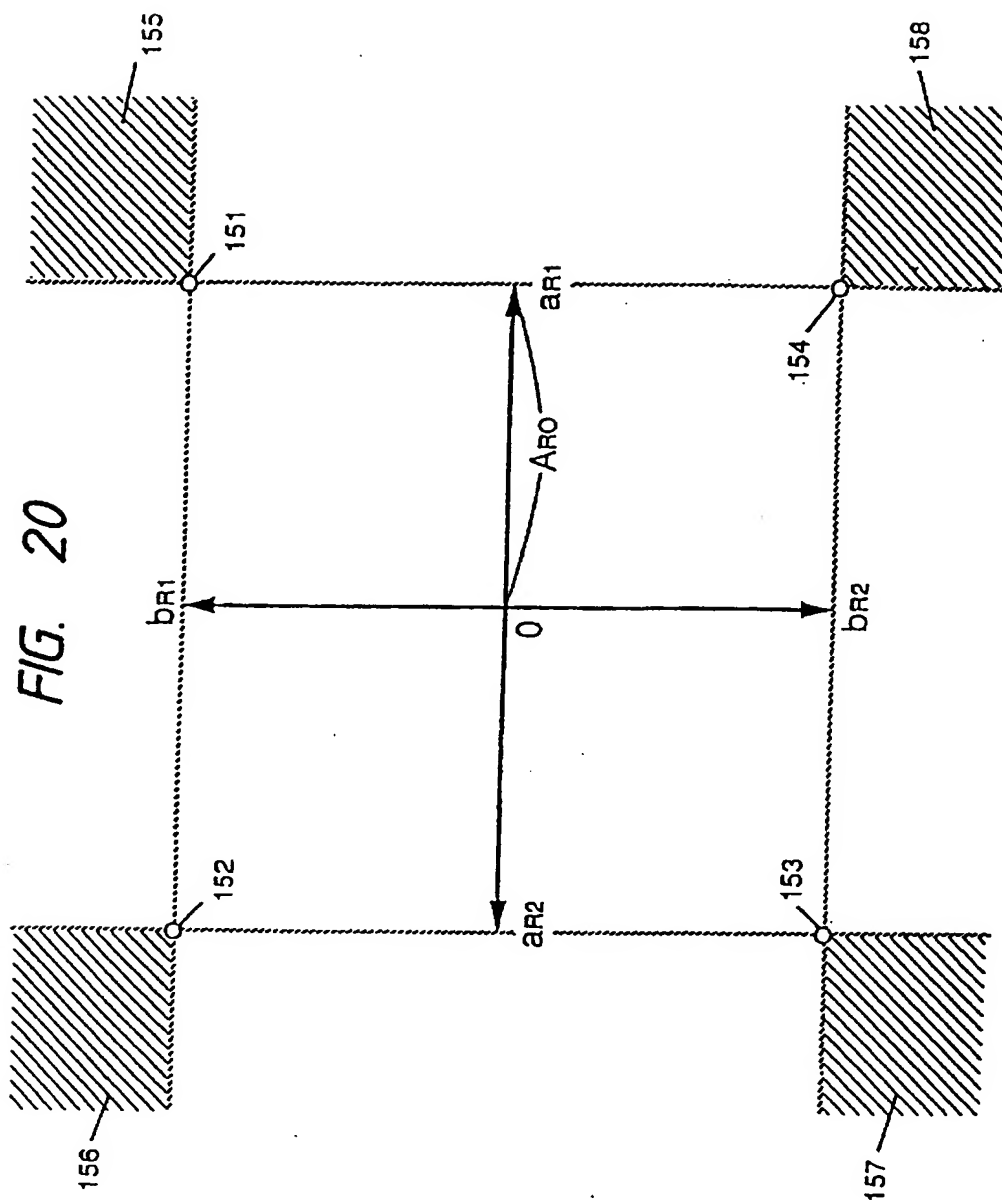




FIG. 21

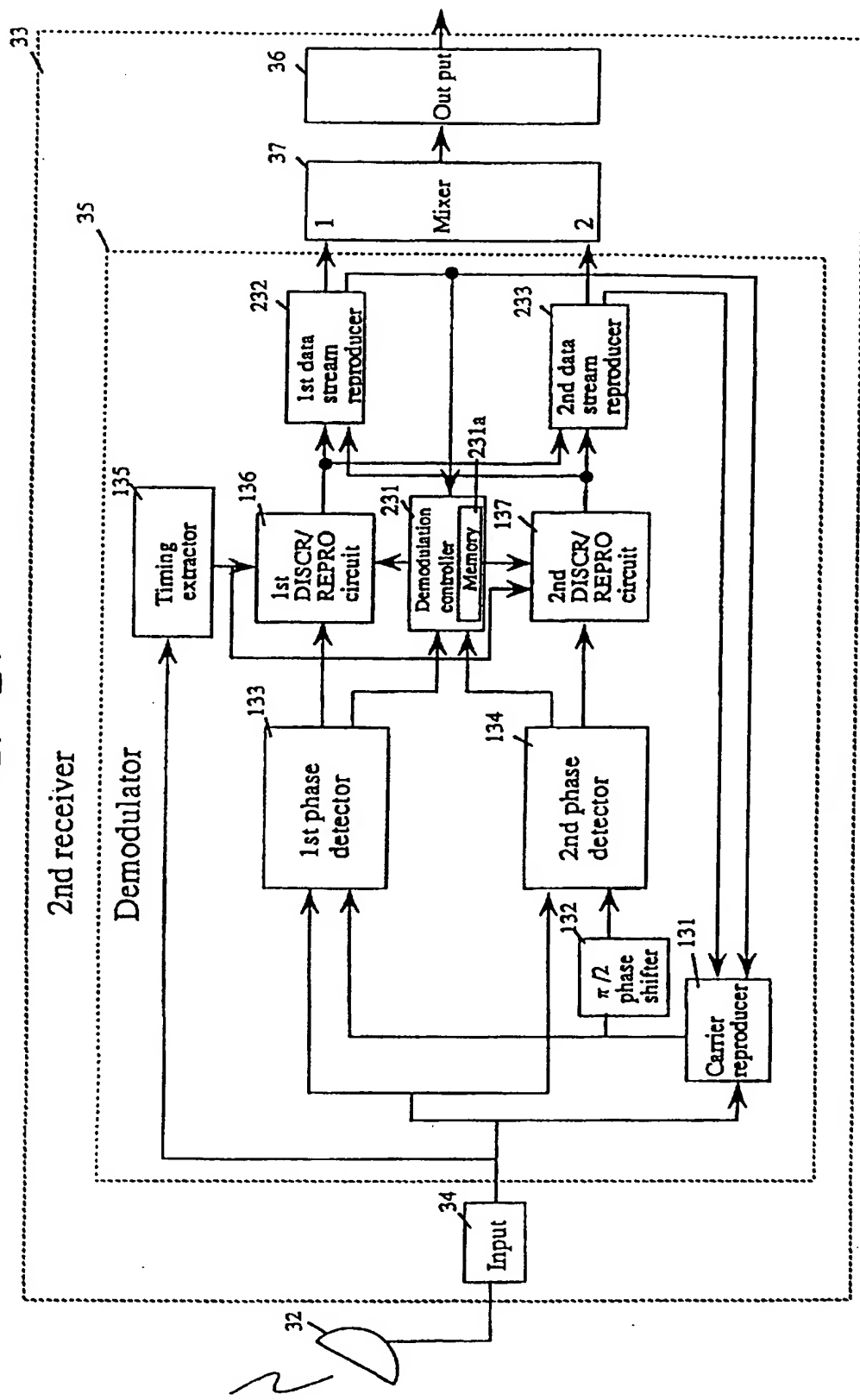
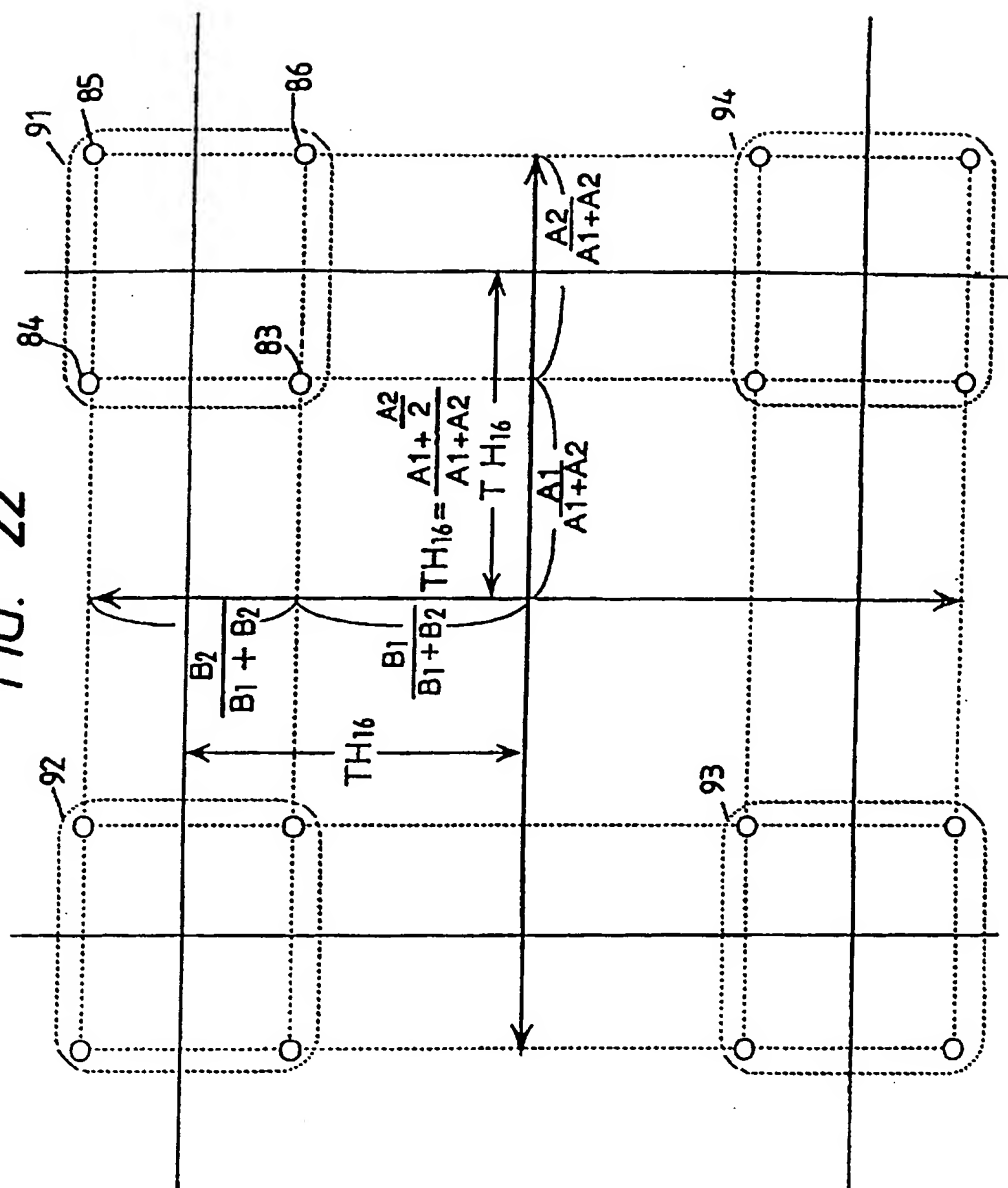


FIG. 22



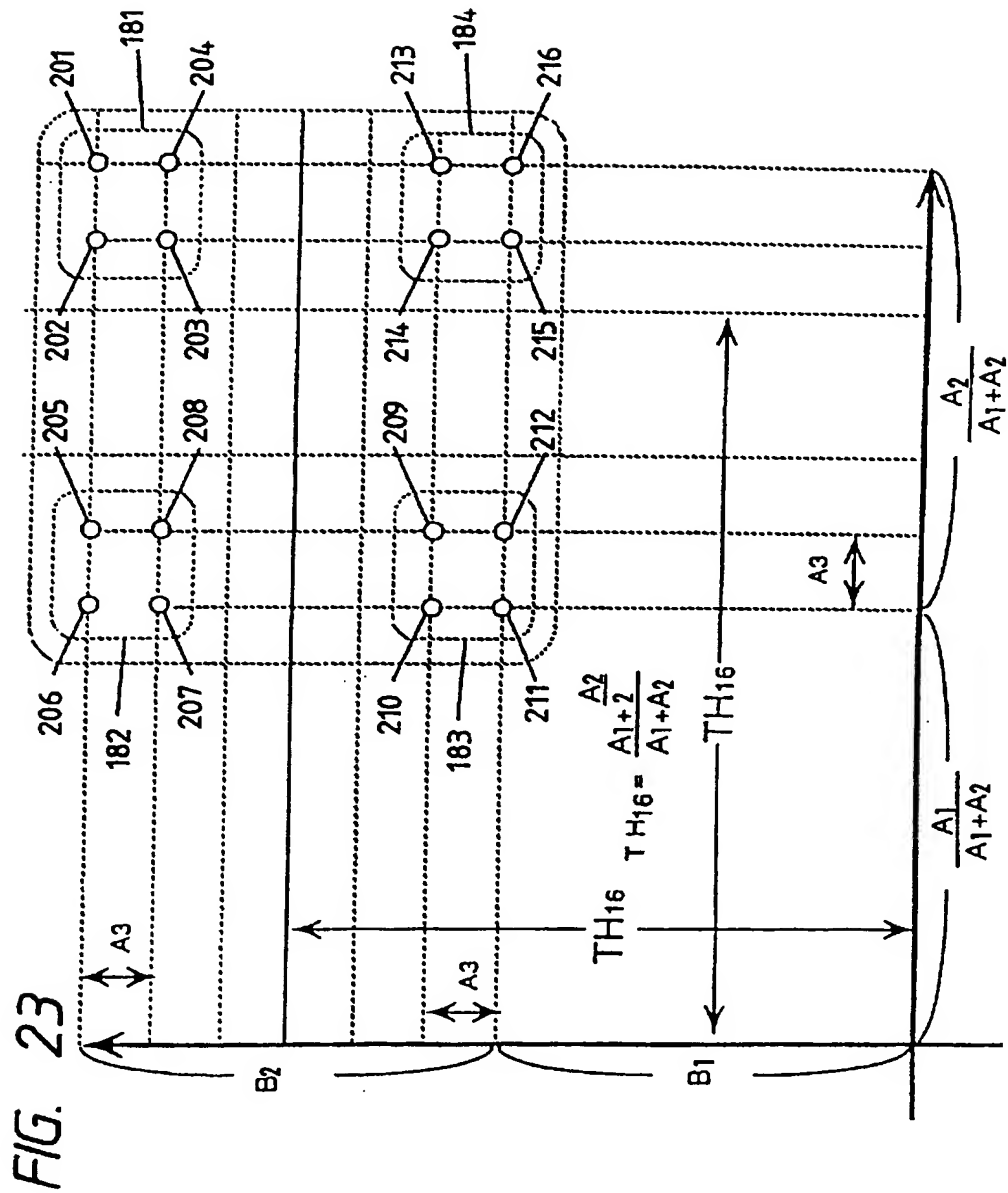


FIG. 24

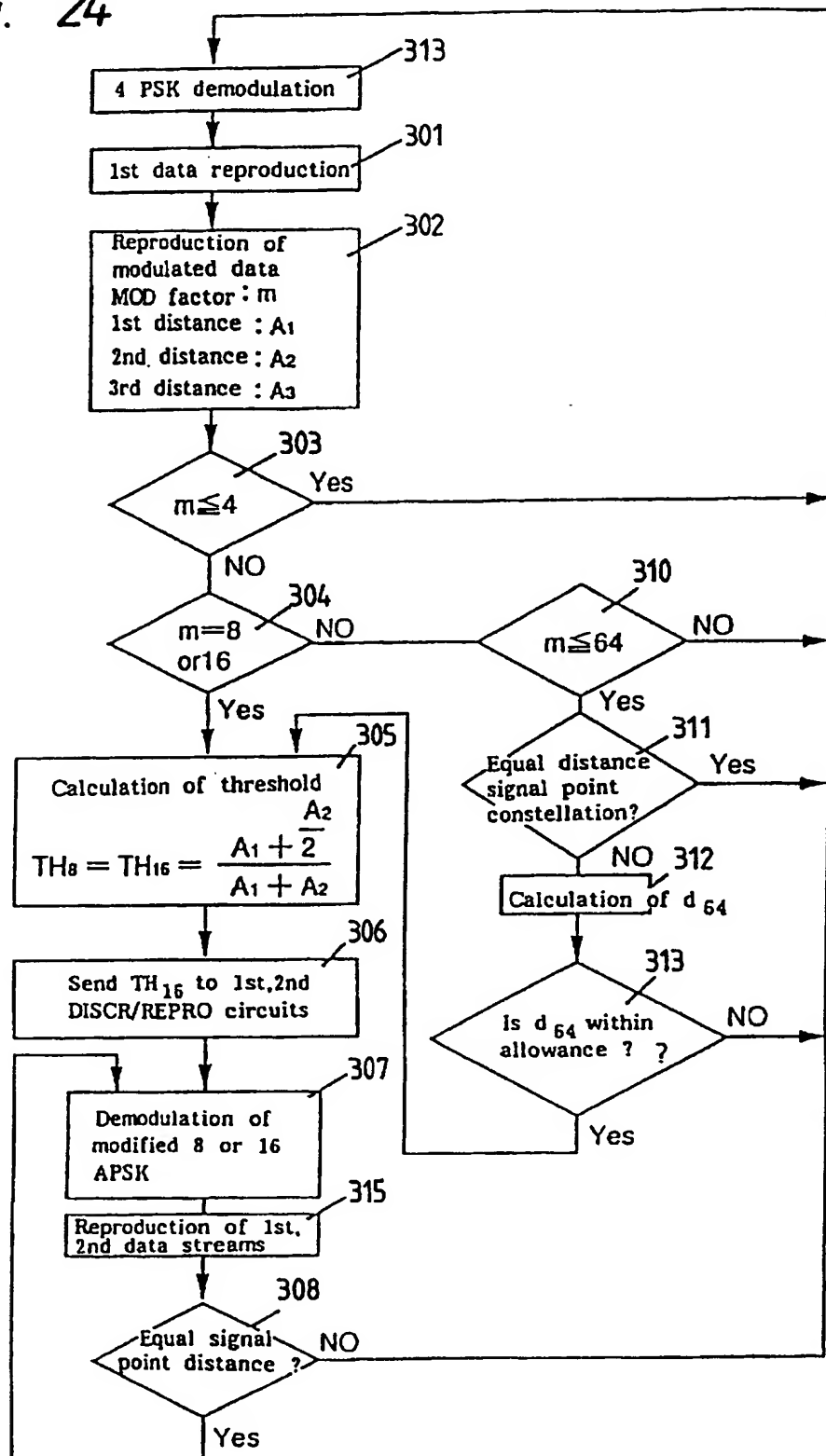


FIG. 25(a)

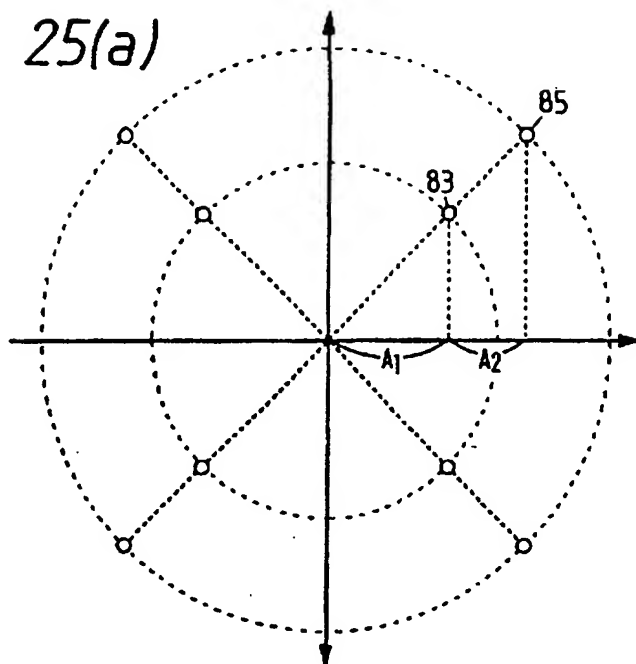


FIG. 25(b)

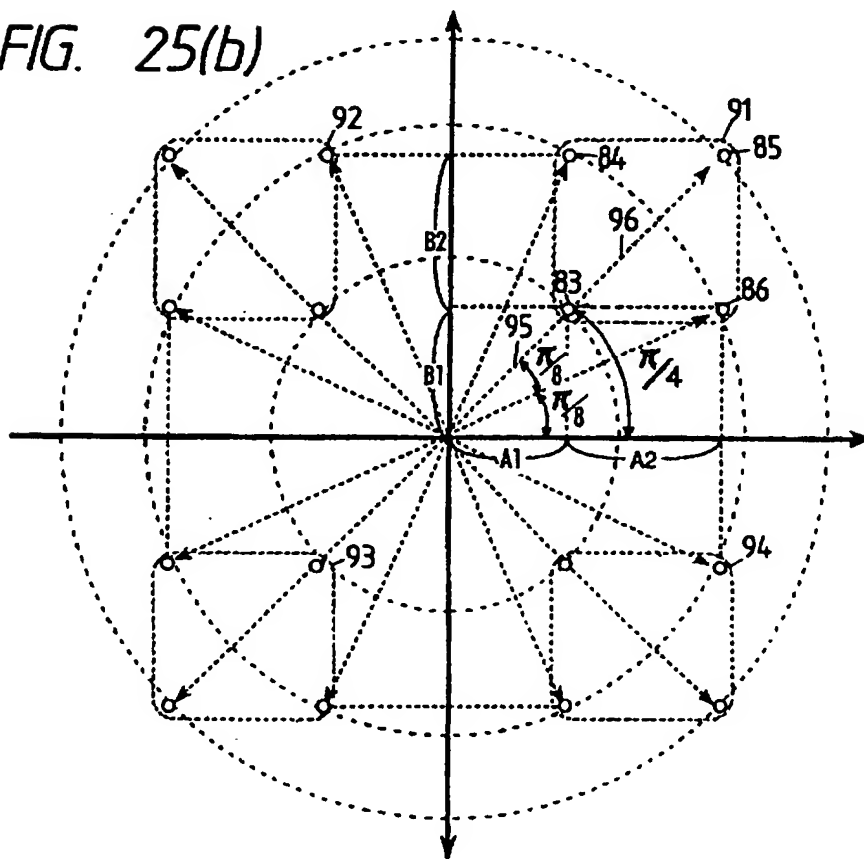
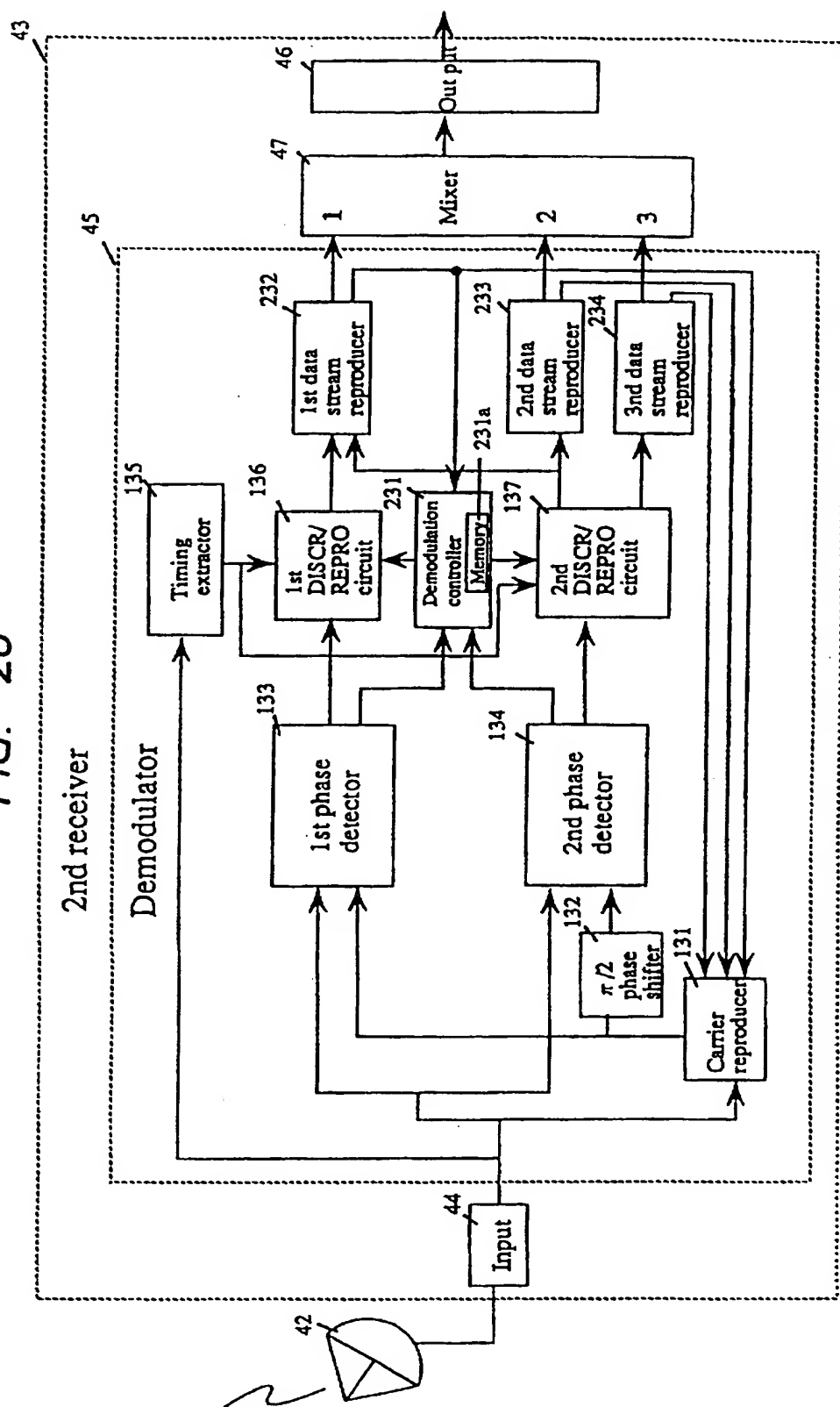


FIG. 26



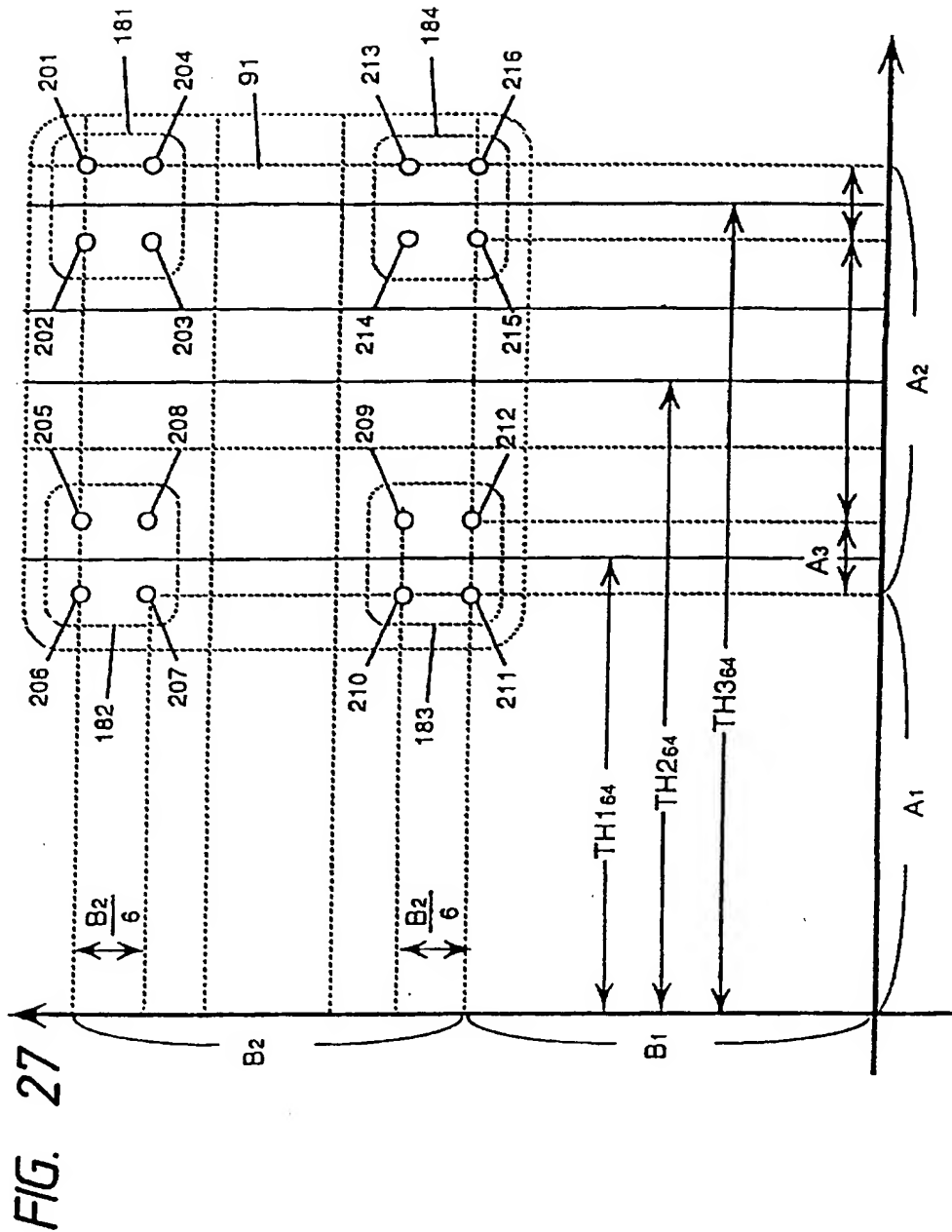
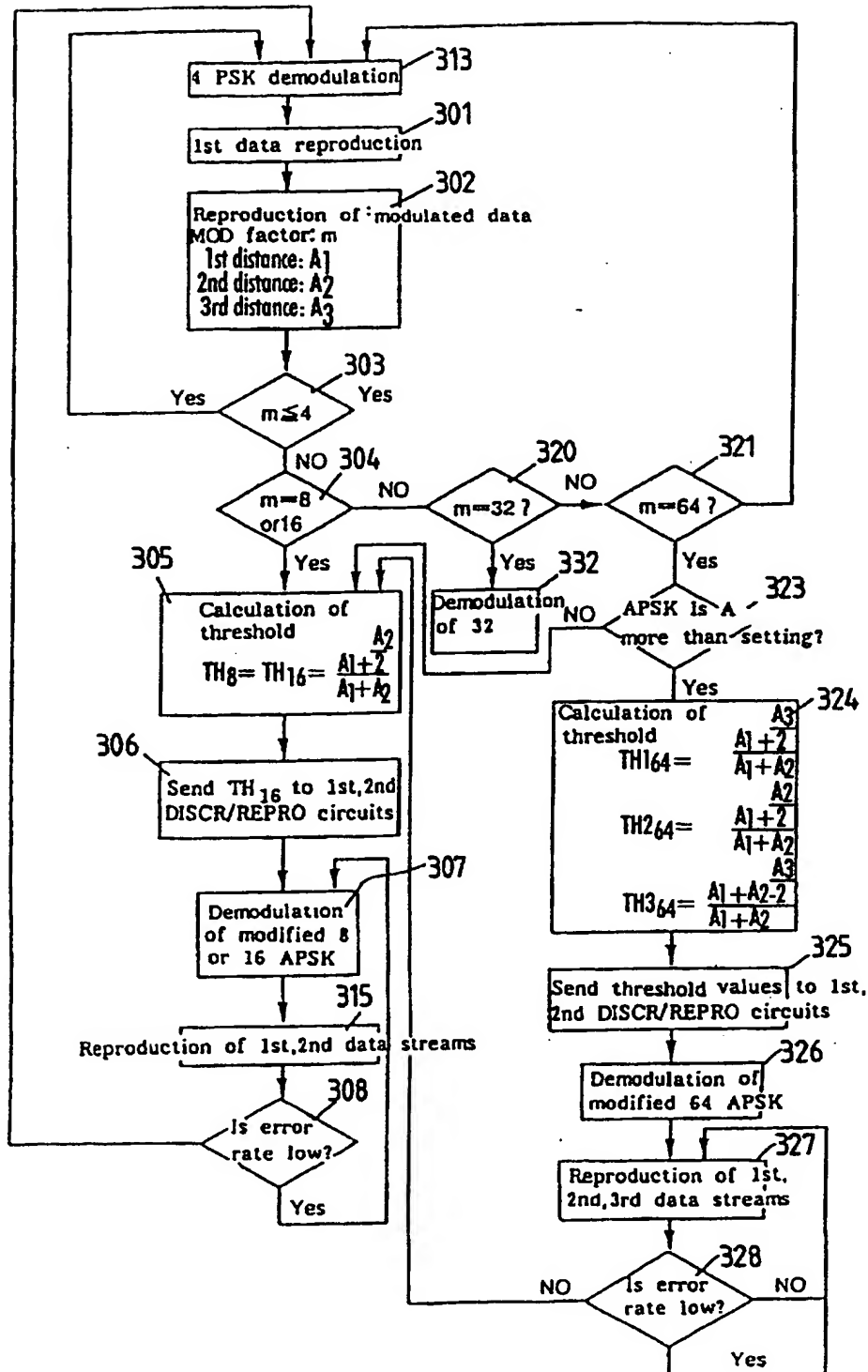


FIG. 28





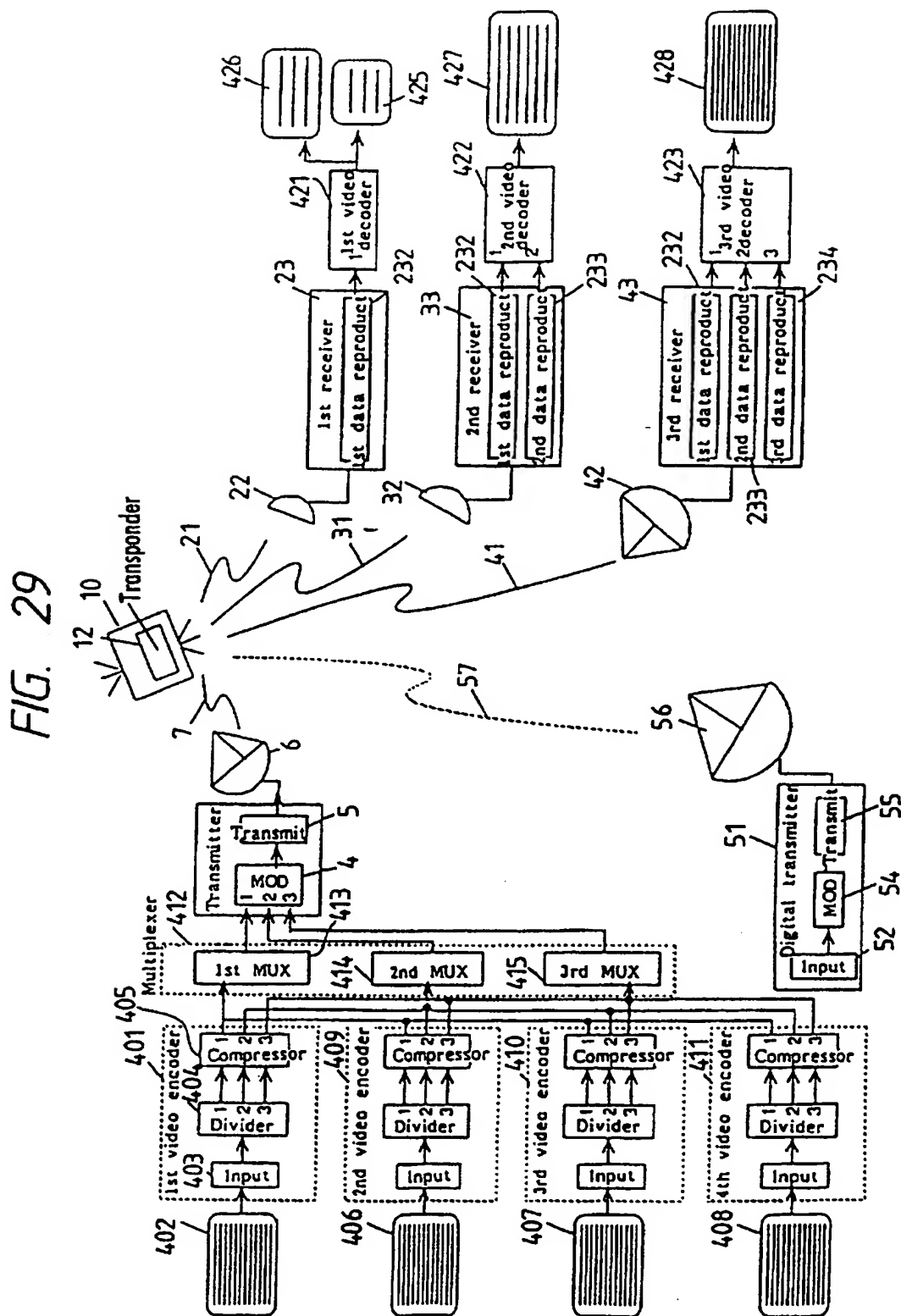


FIG. 30

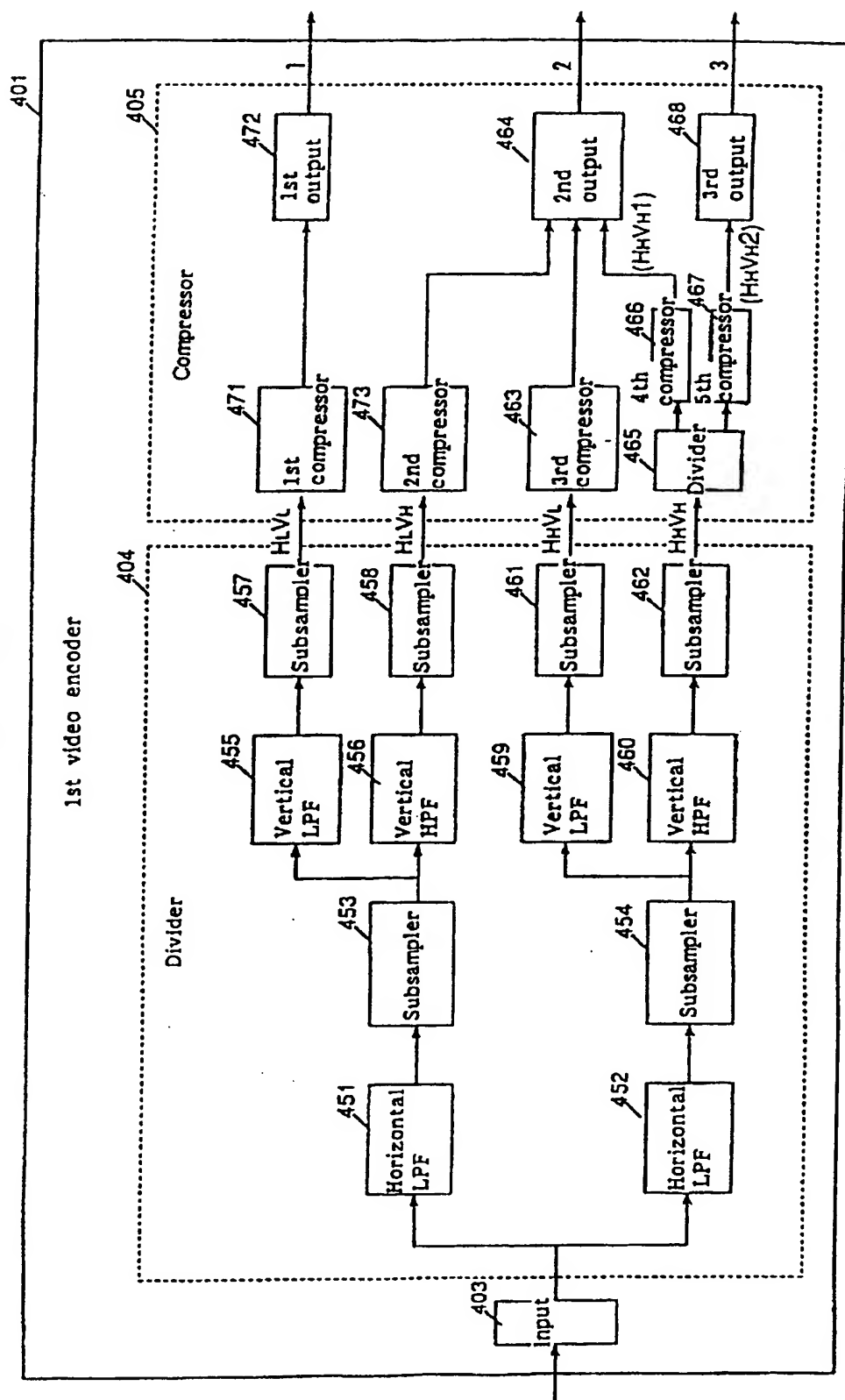


FIG. 31

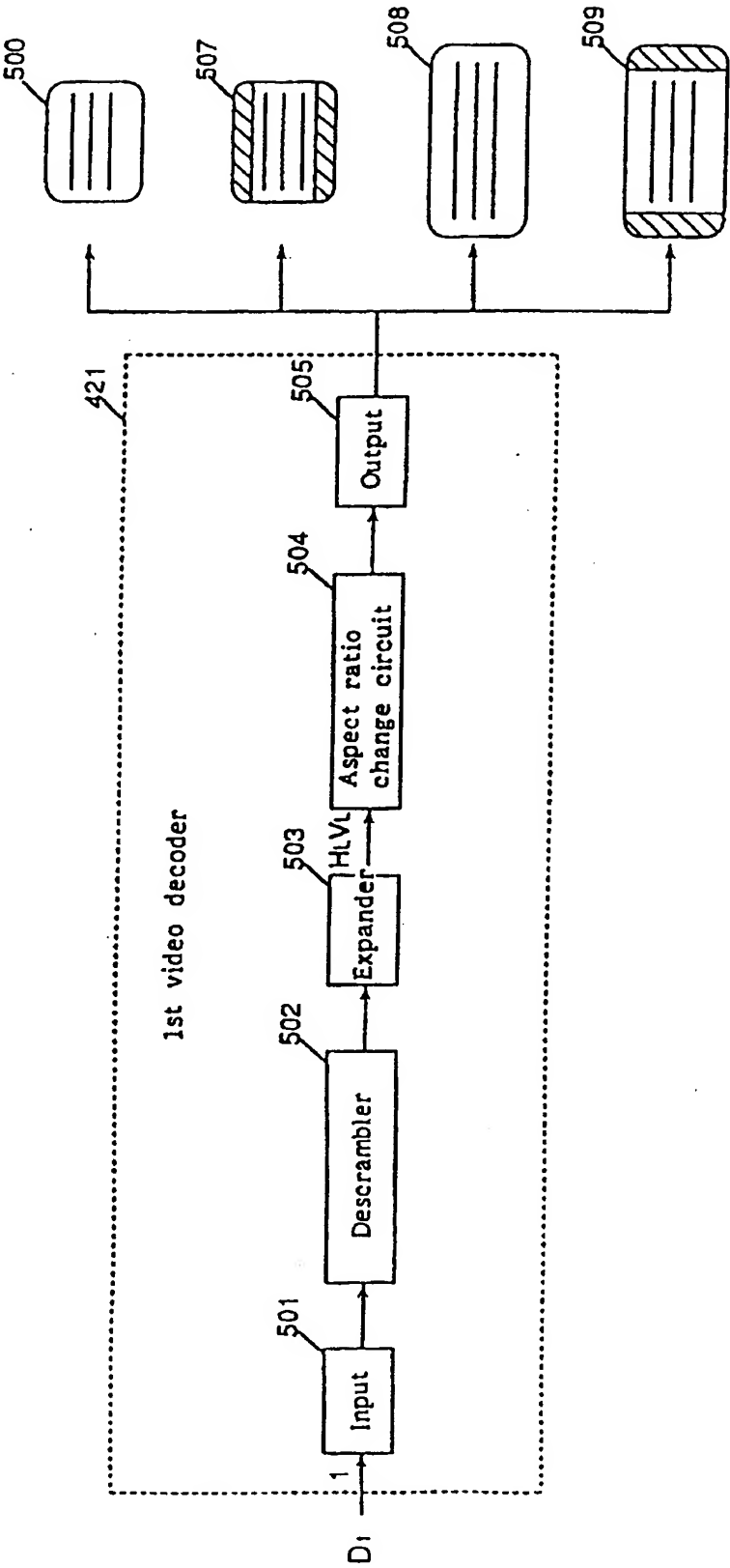


FIG. 32

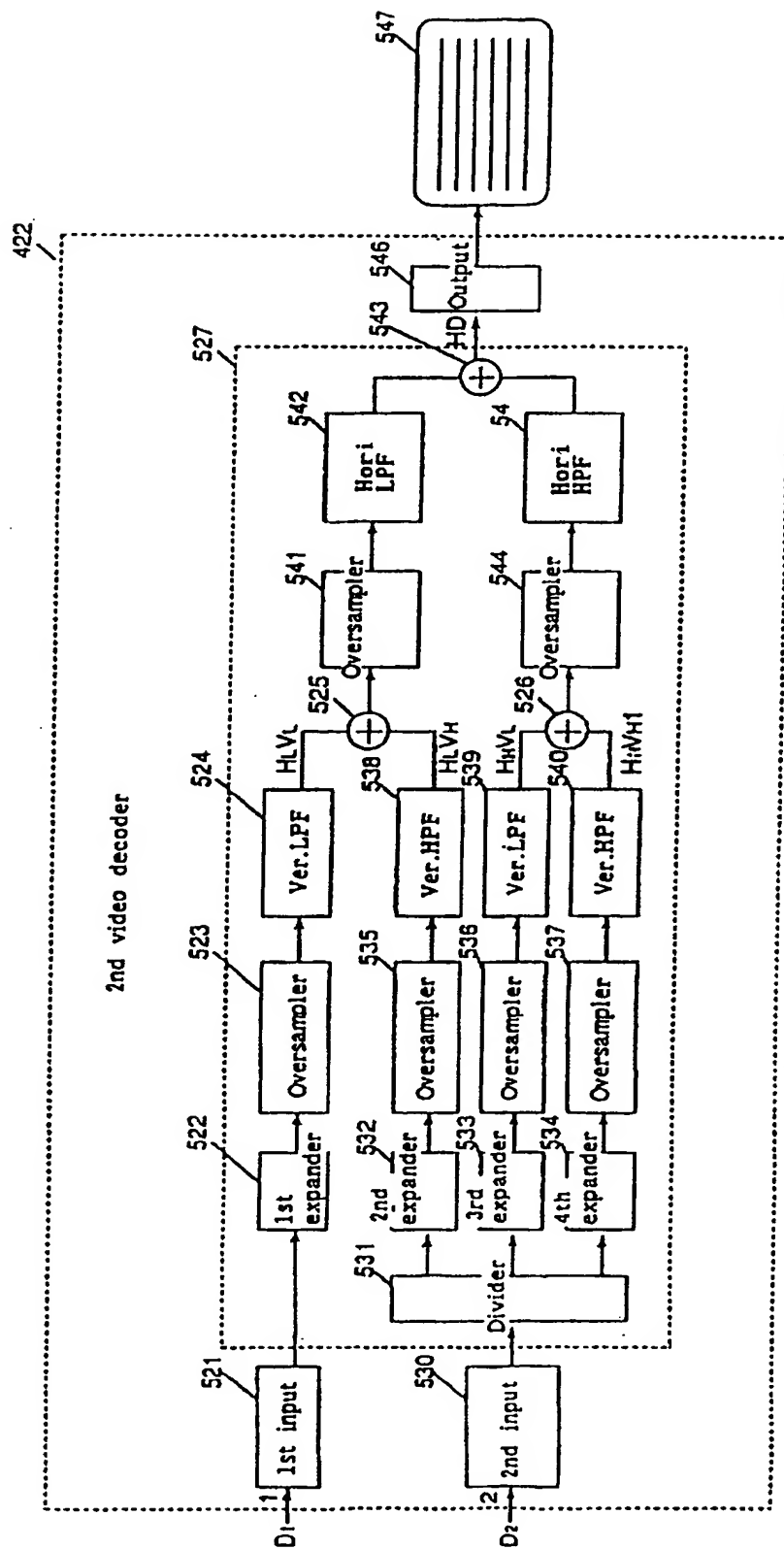
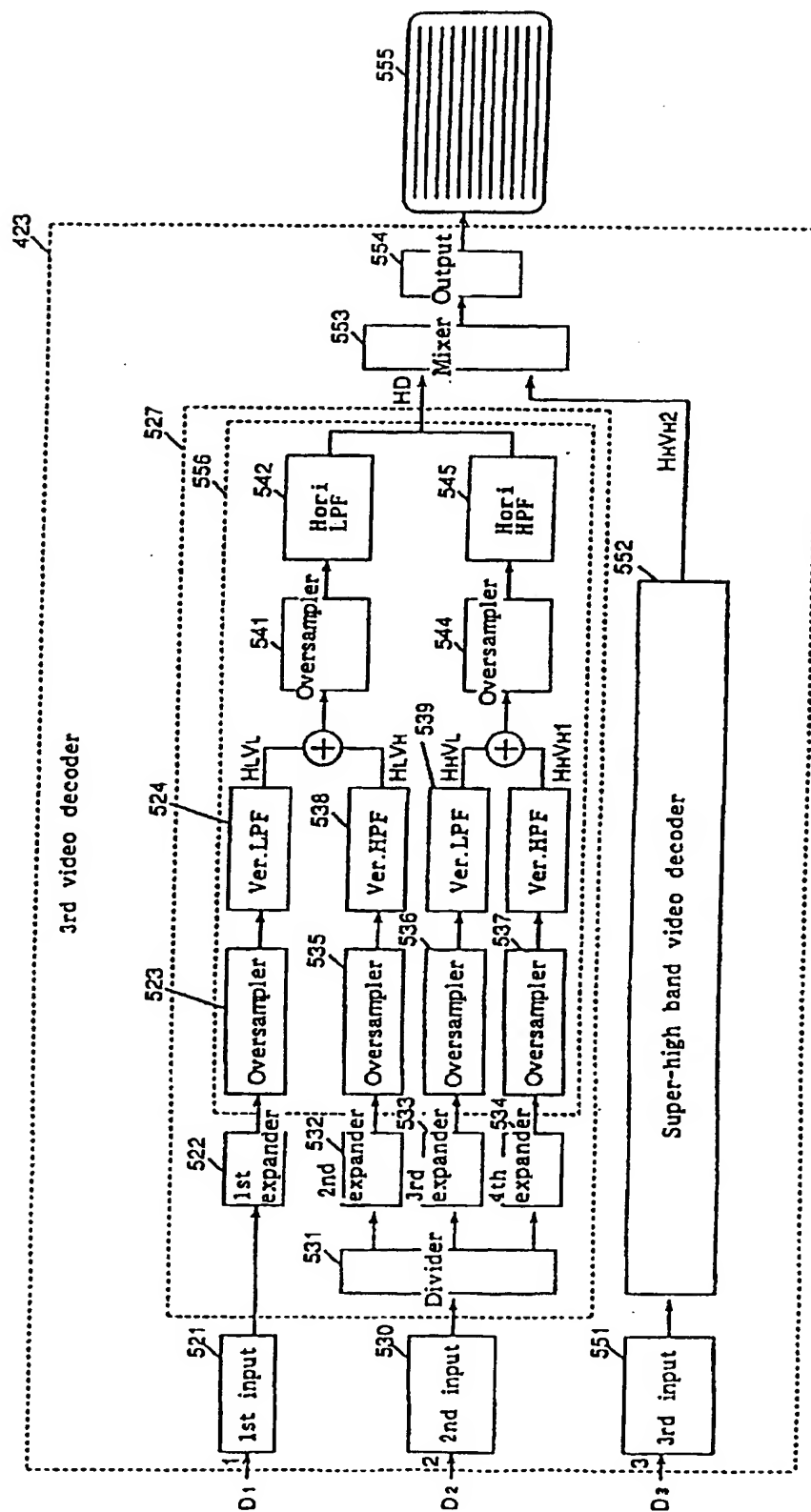
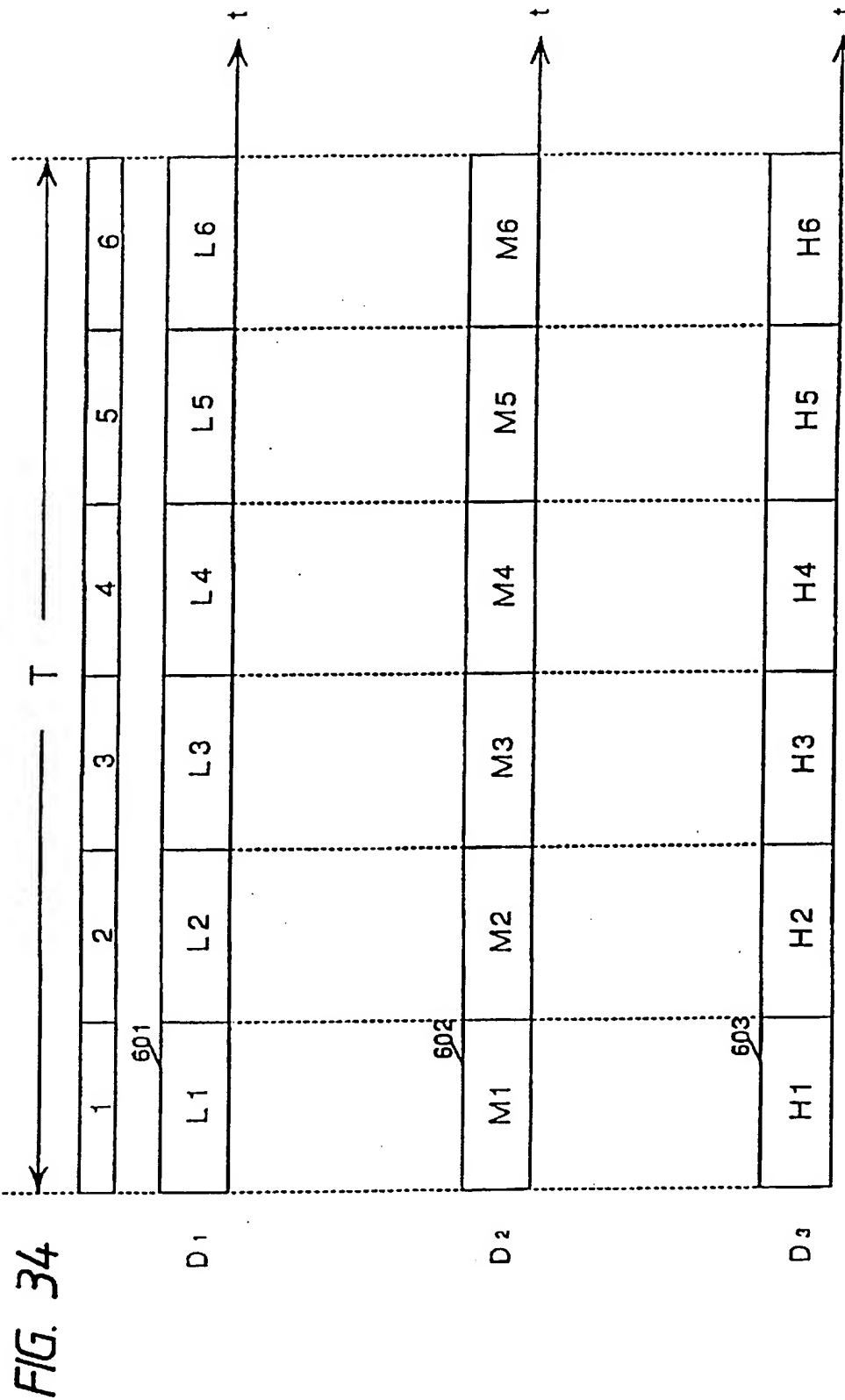


FIG. 33





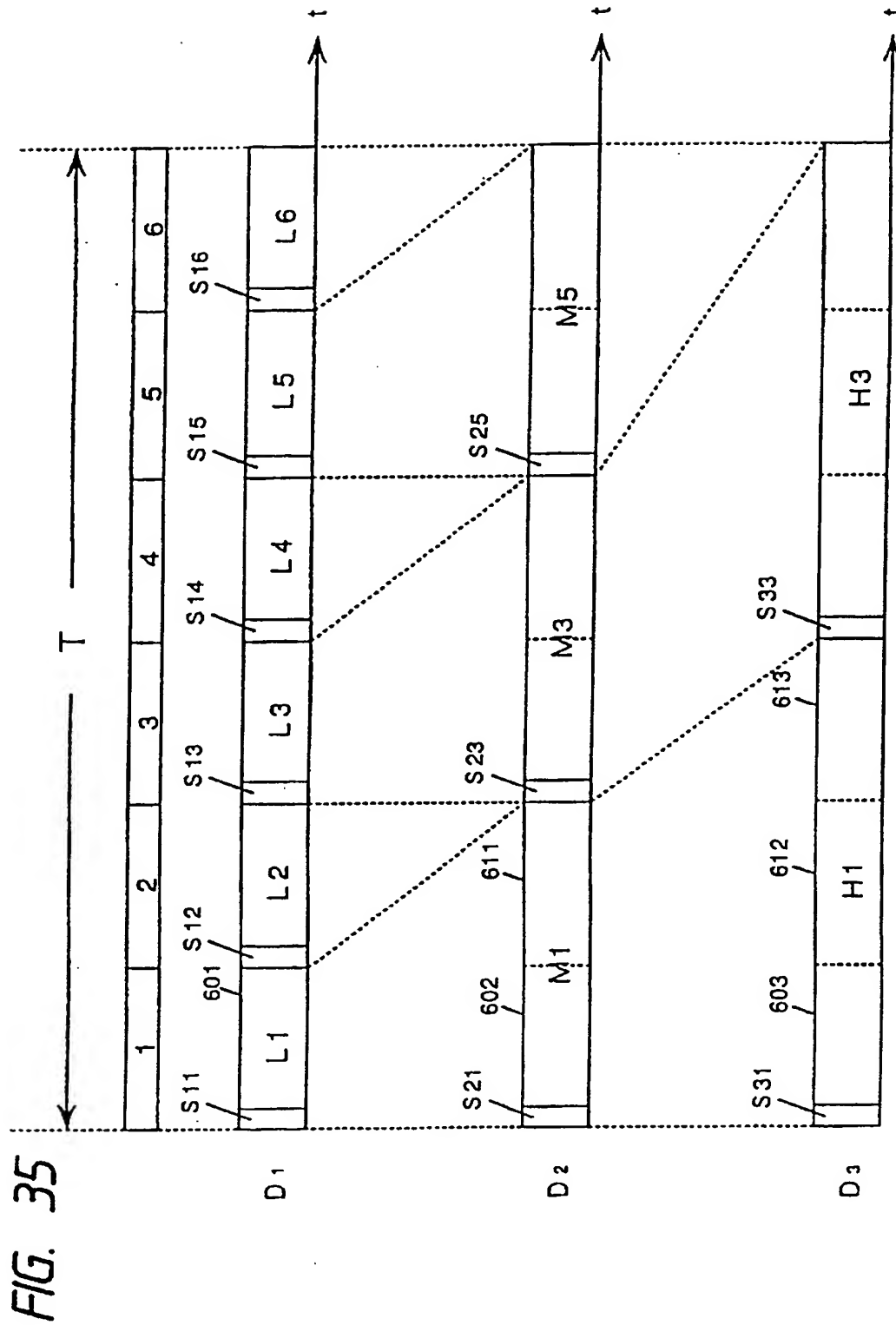


FIG. 36

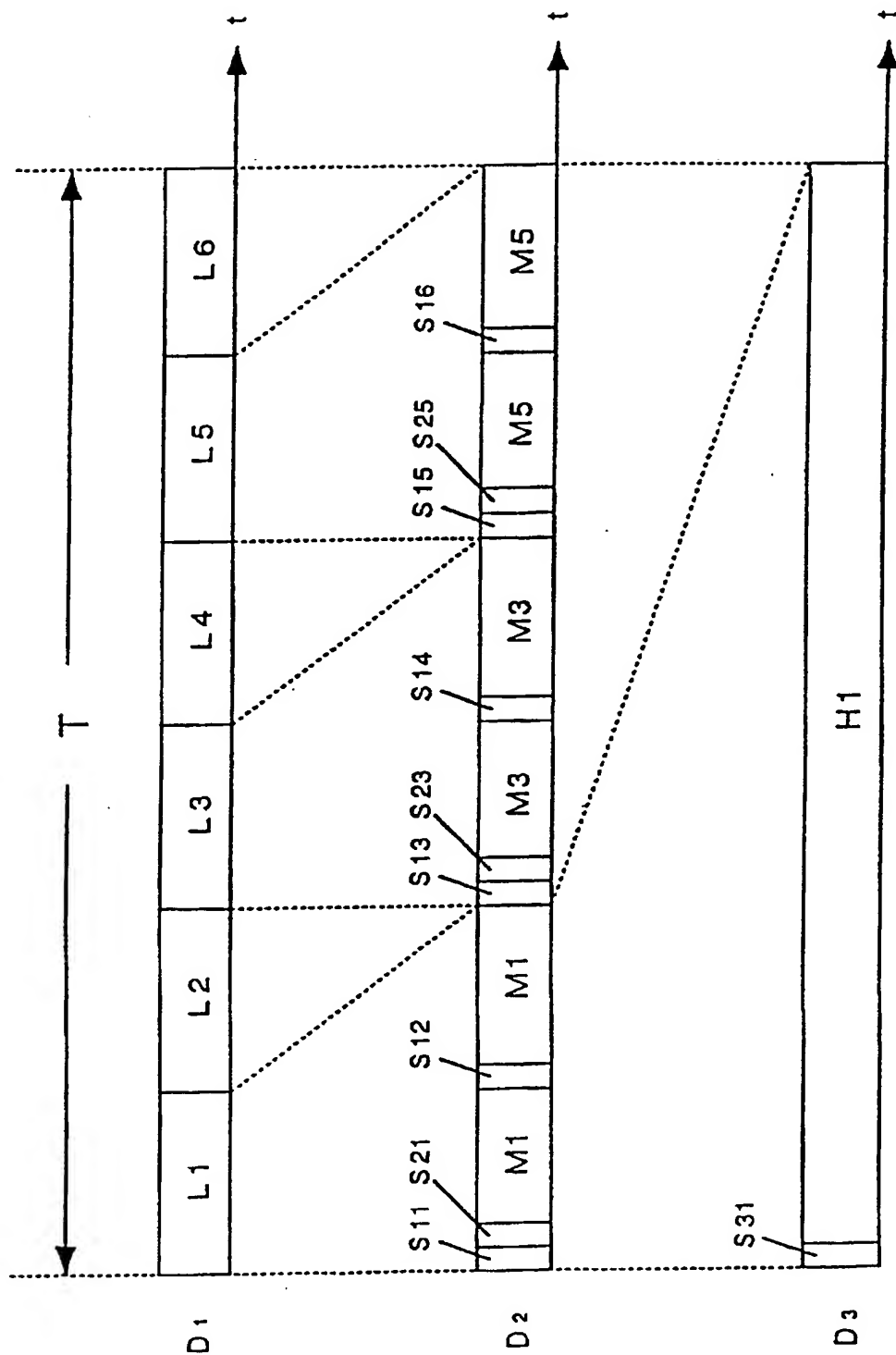
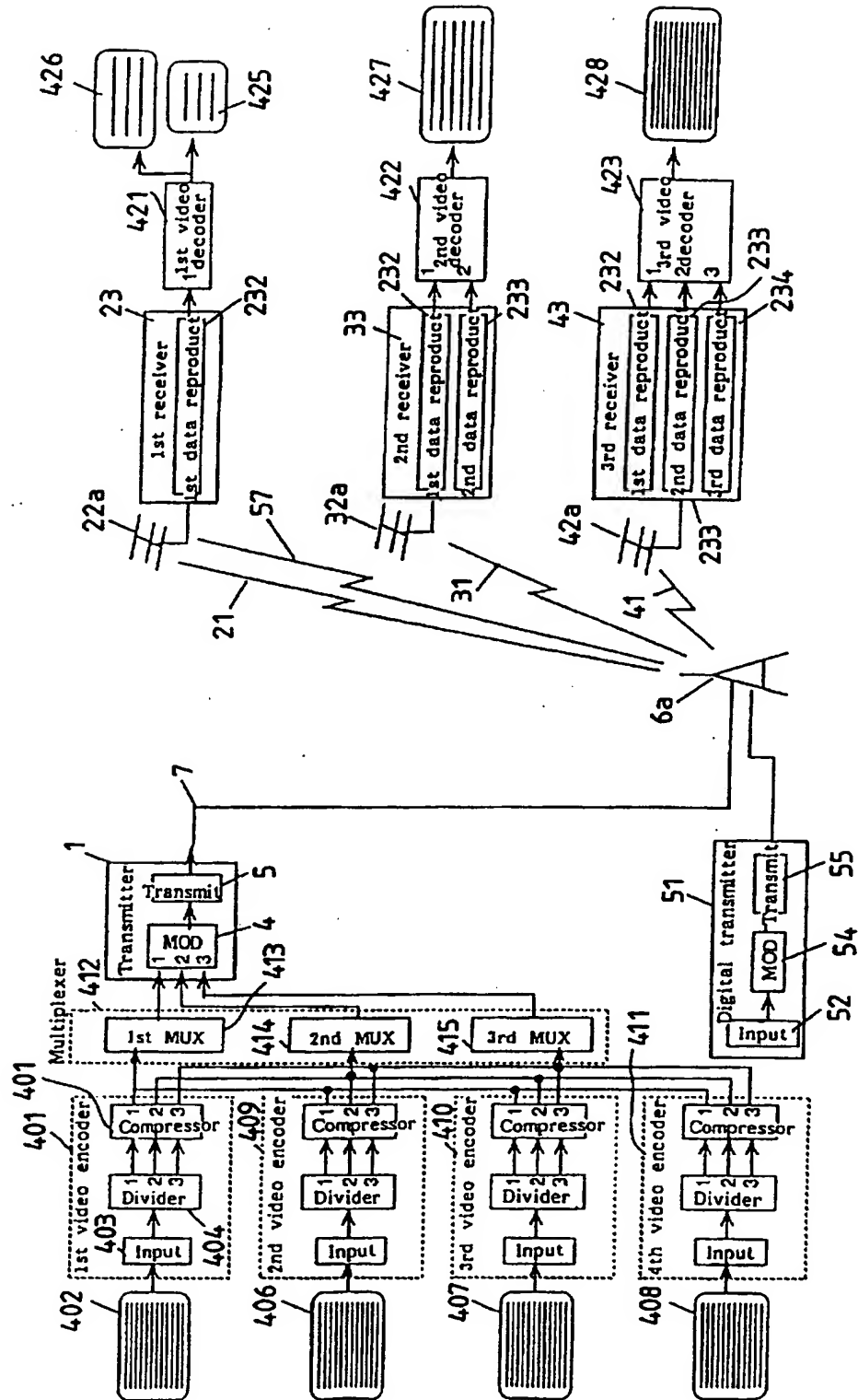
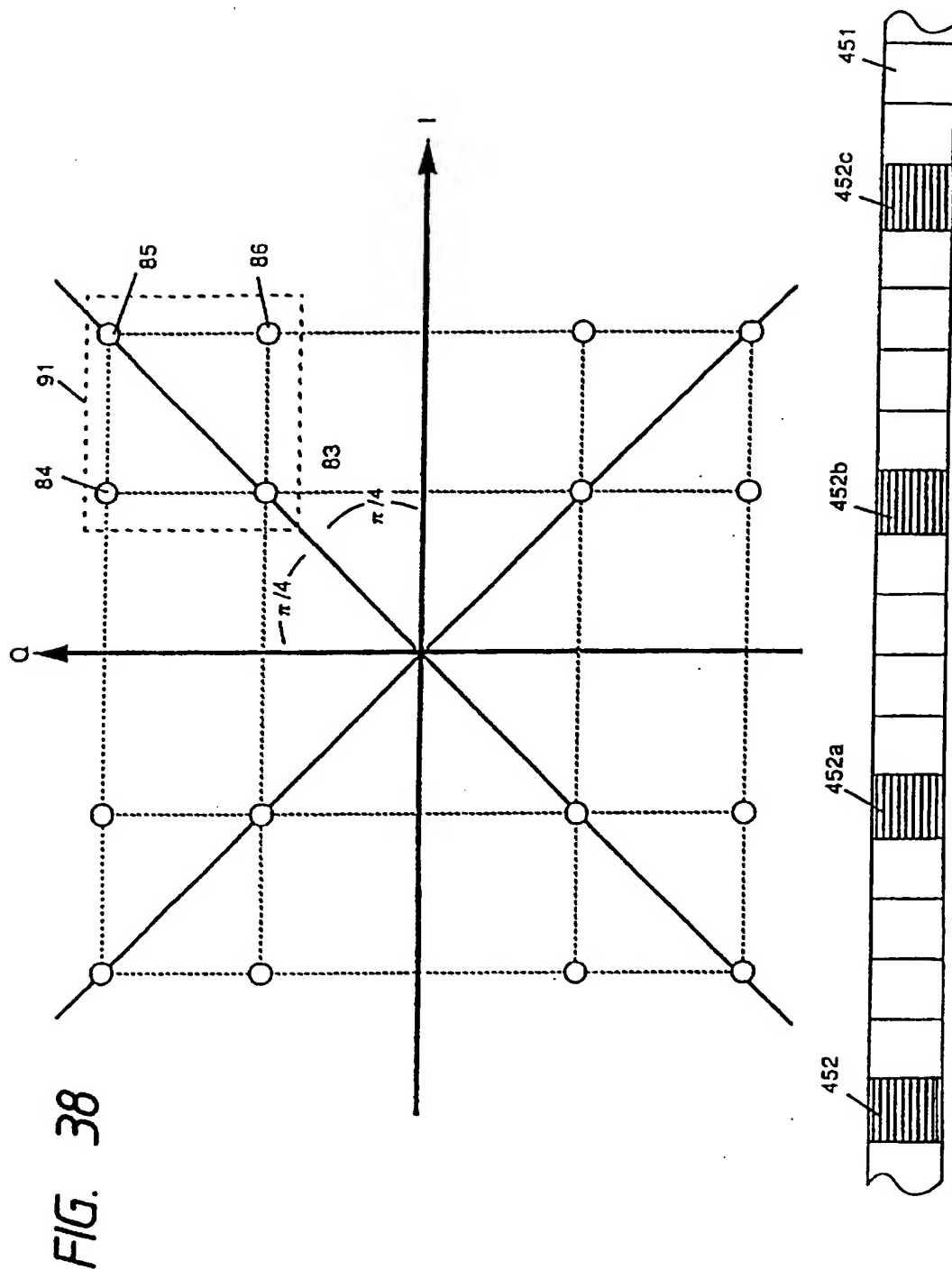
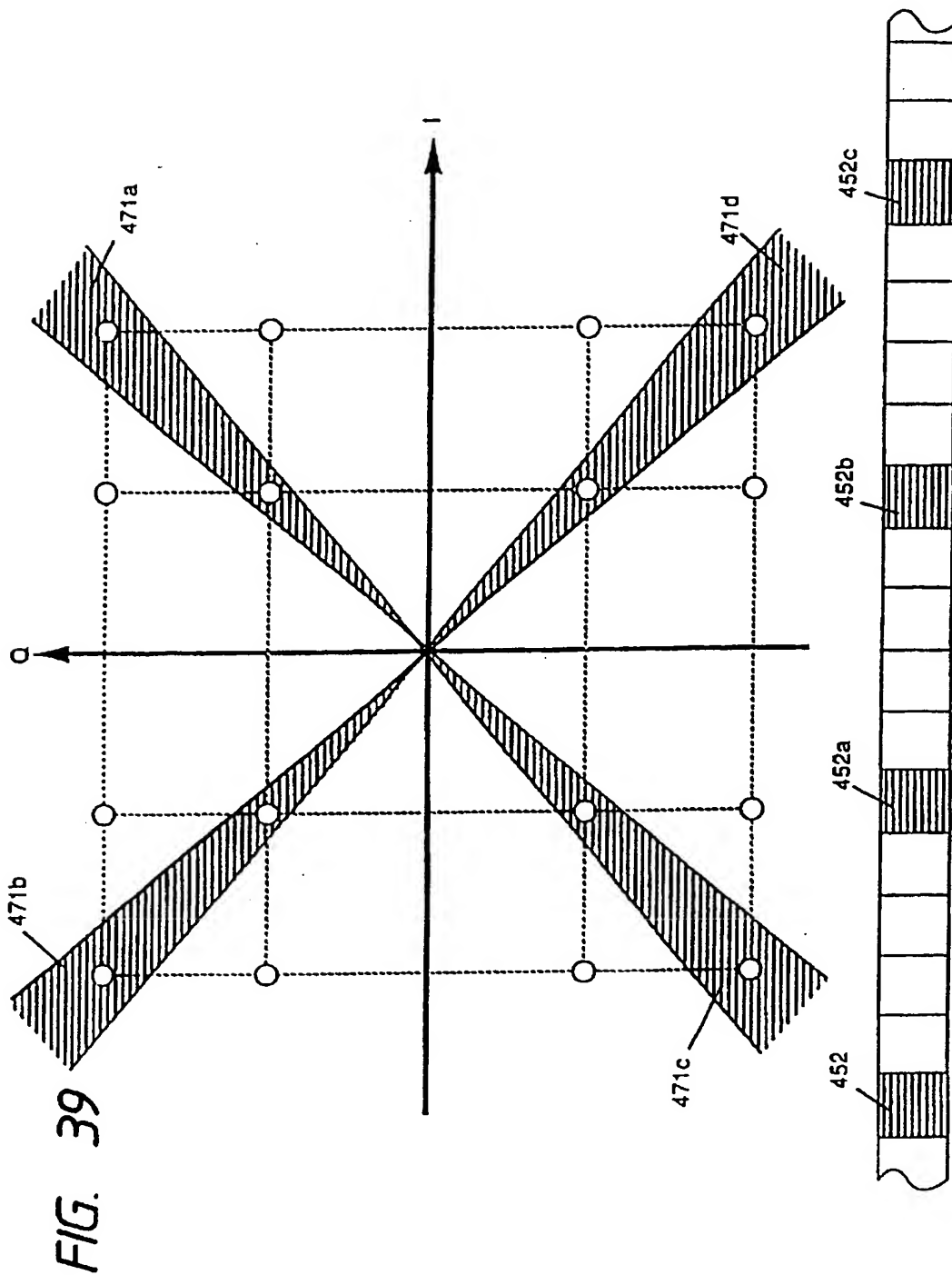




FIG. 37







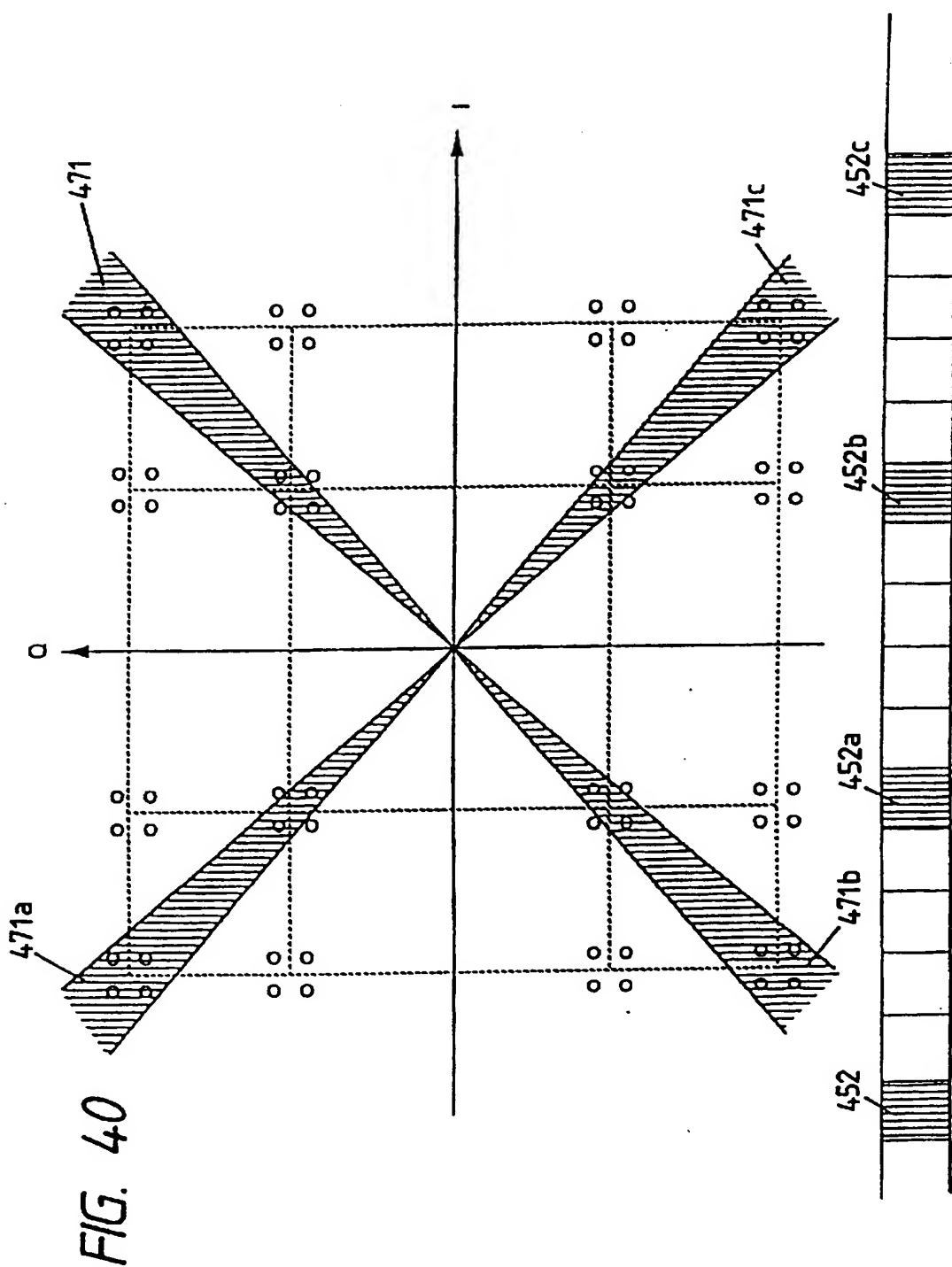


FIG. 41

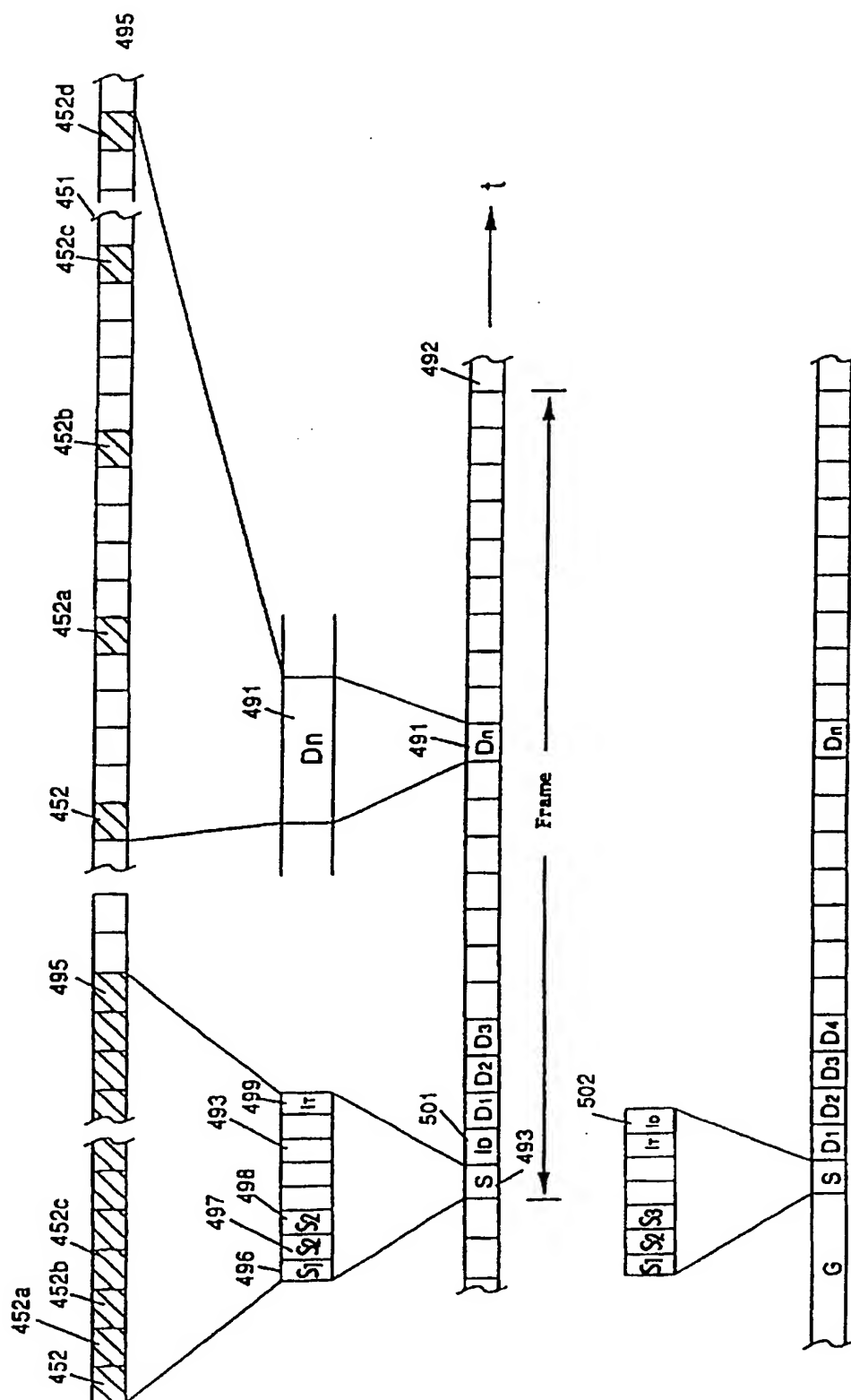


FIG. 42

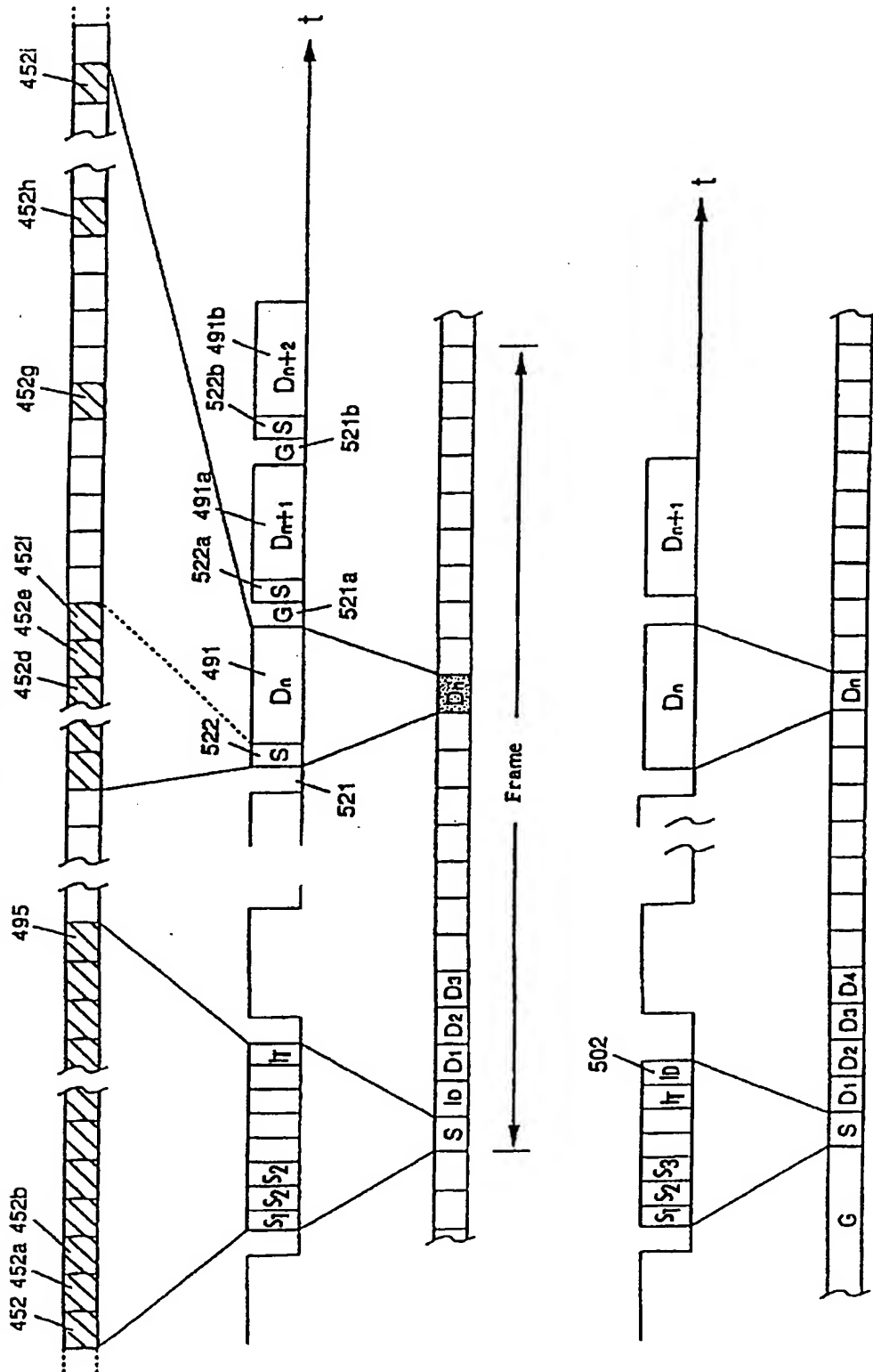


FIG. 43

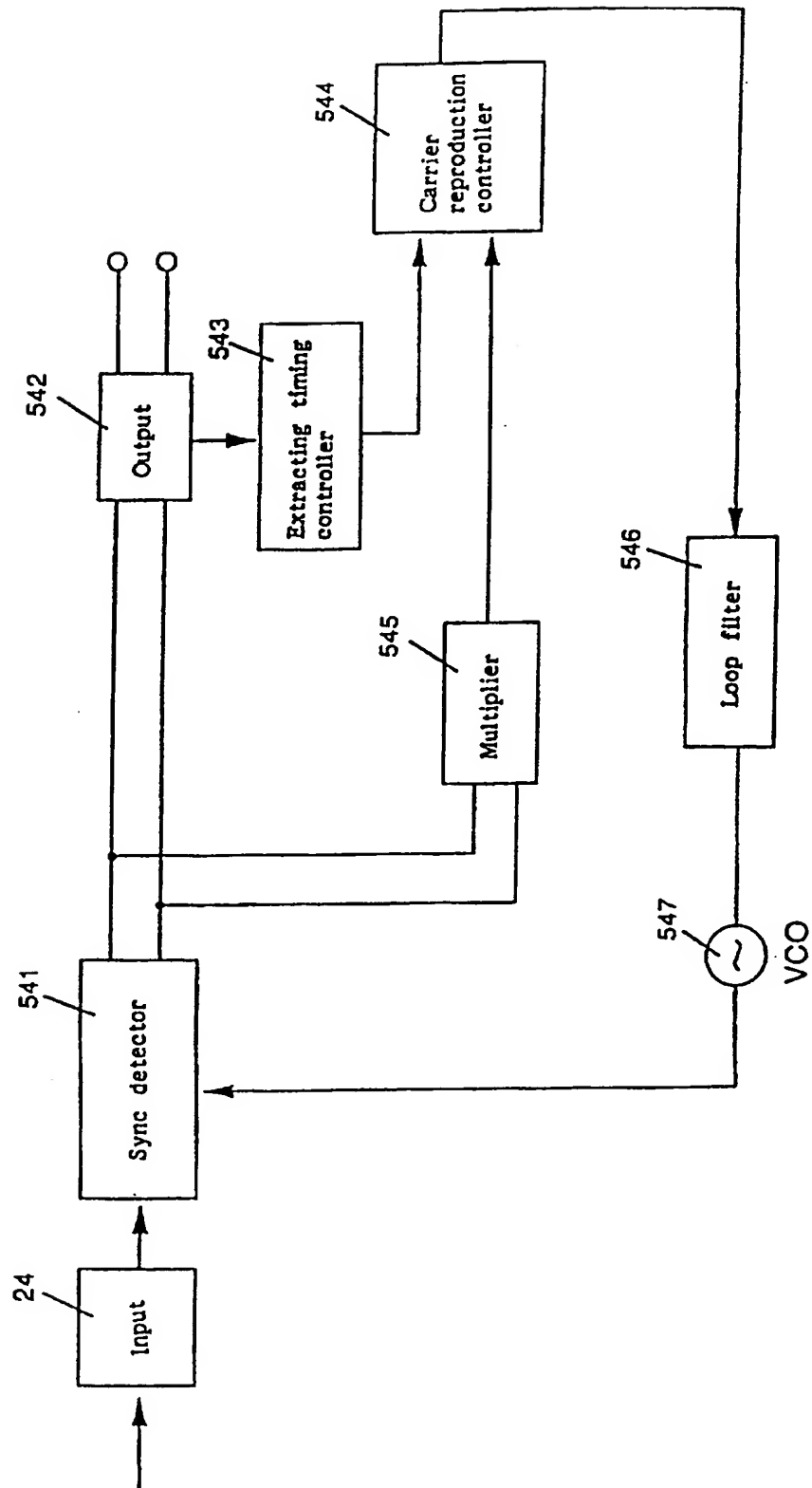
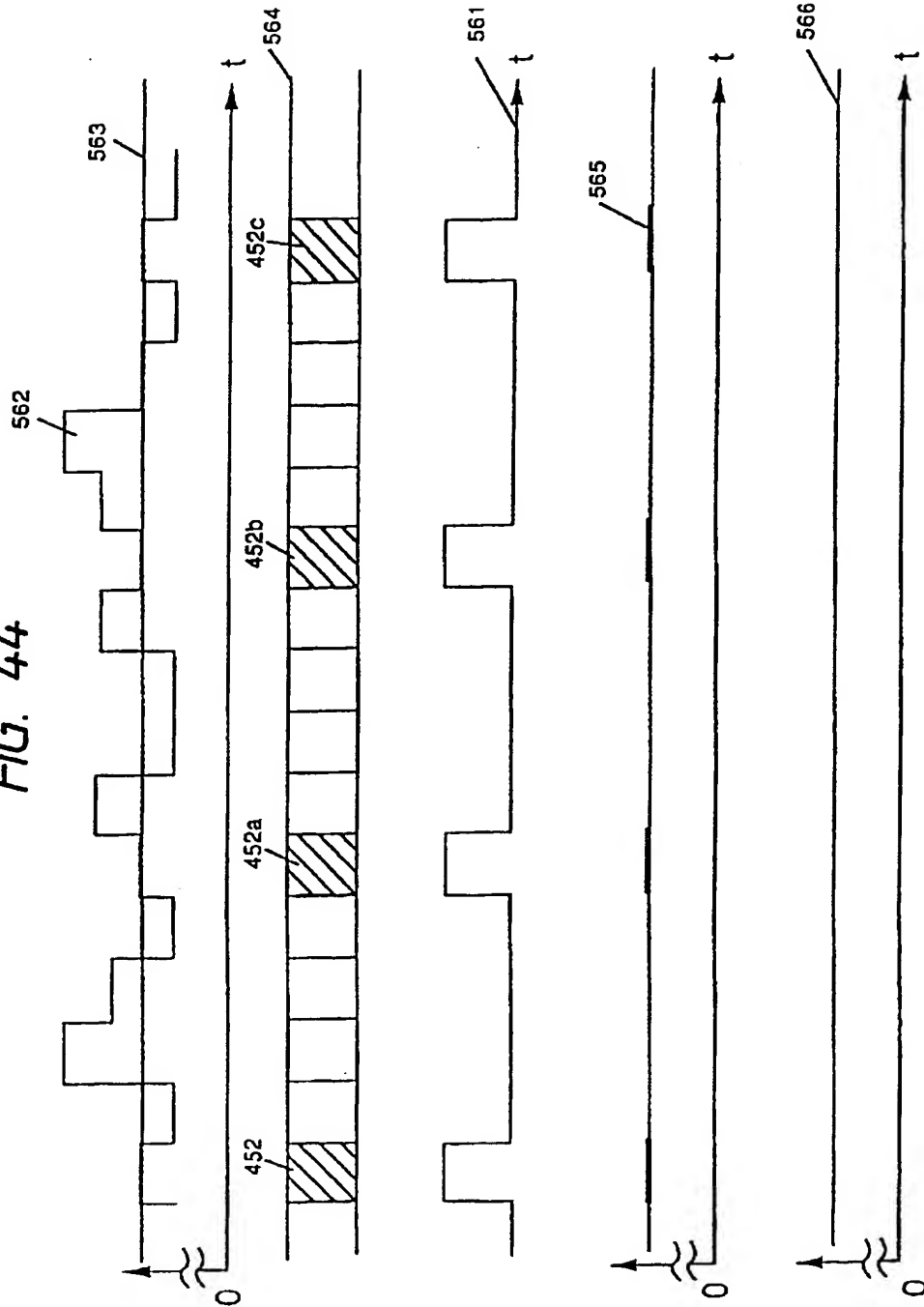
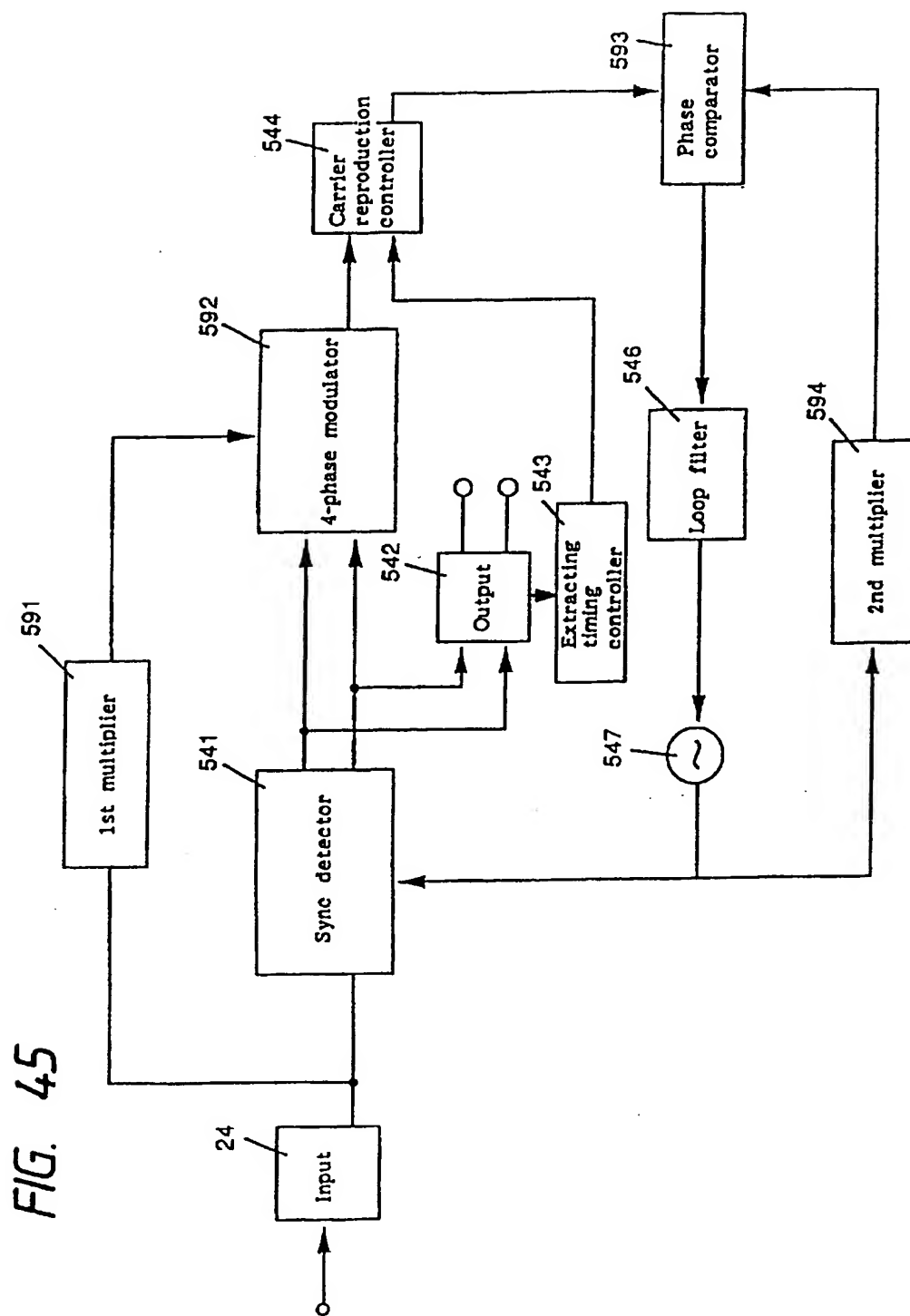
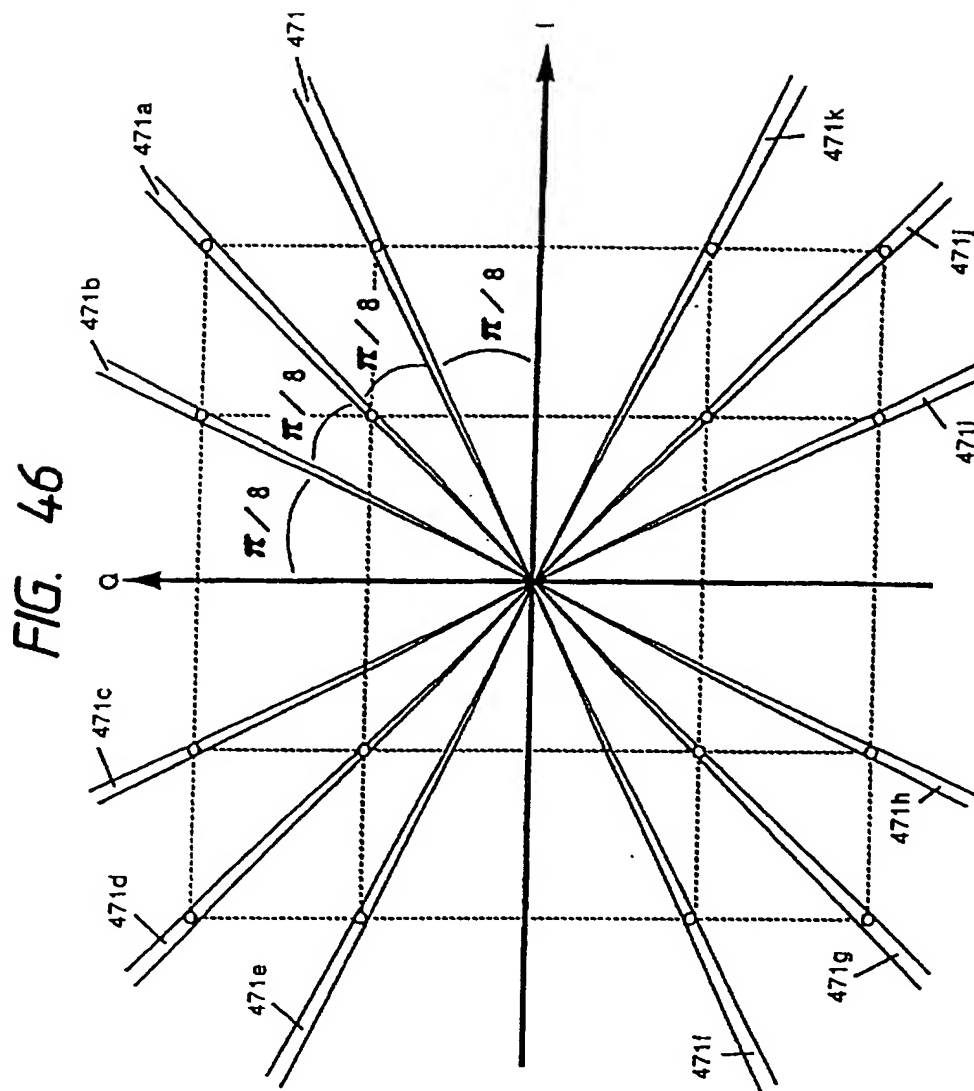


FIG. 44









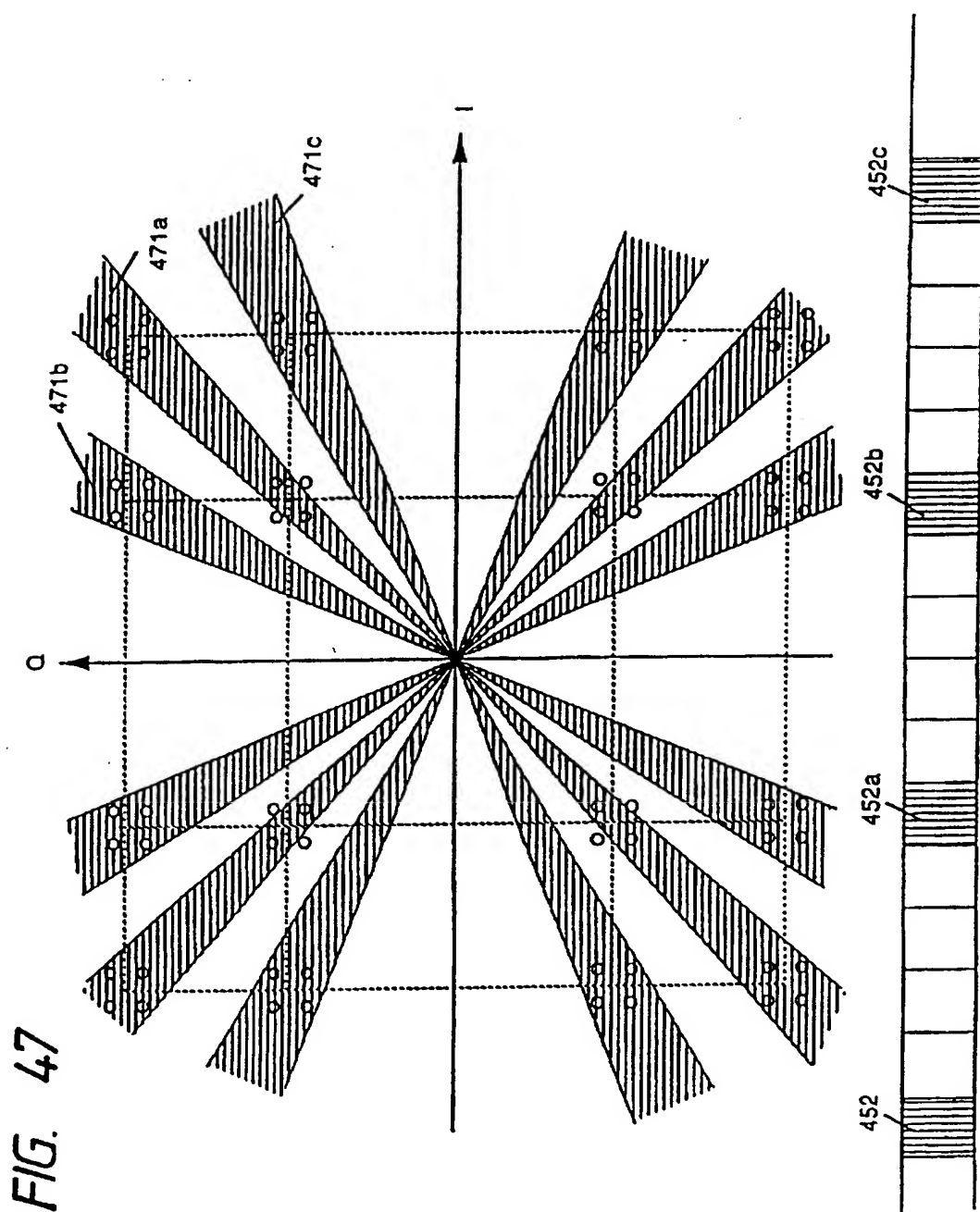
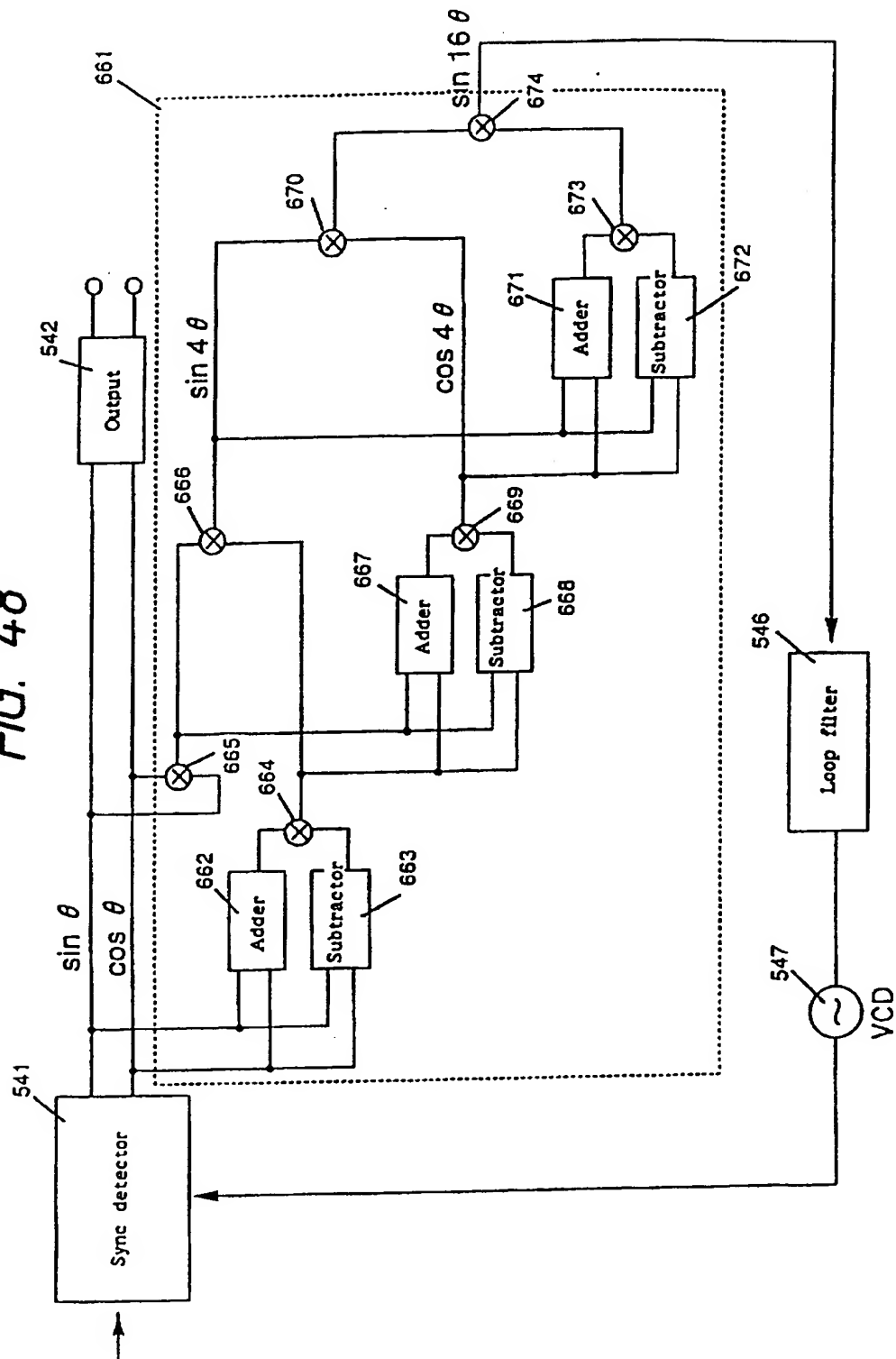


FIG. 48



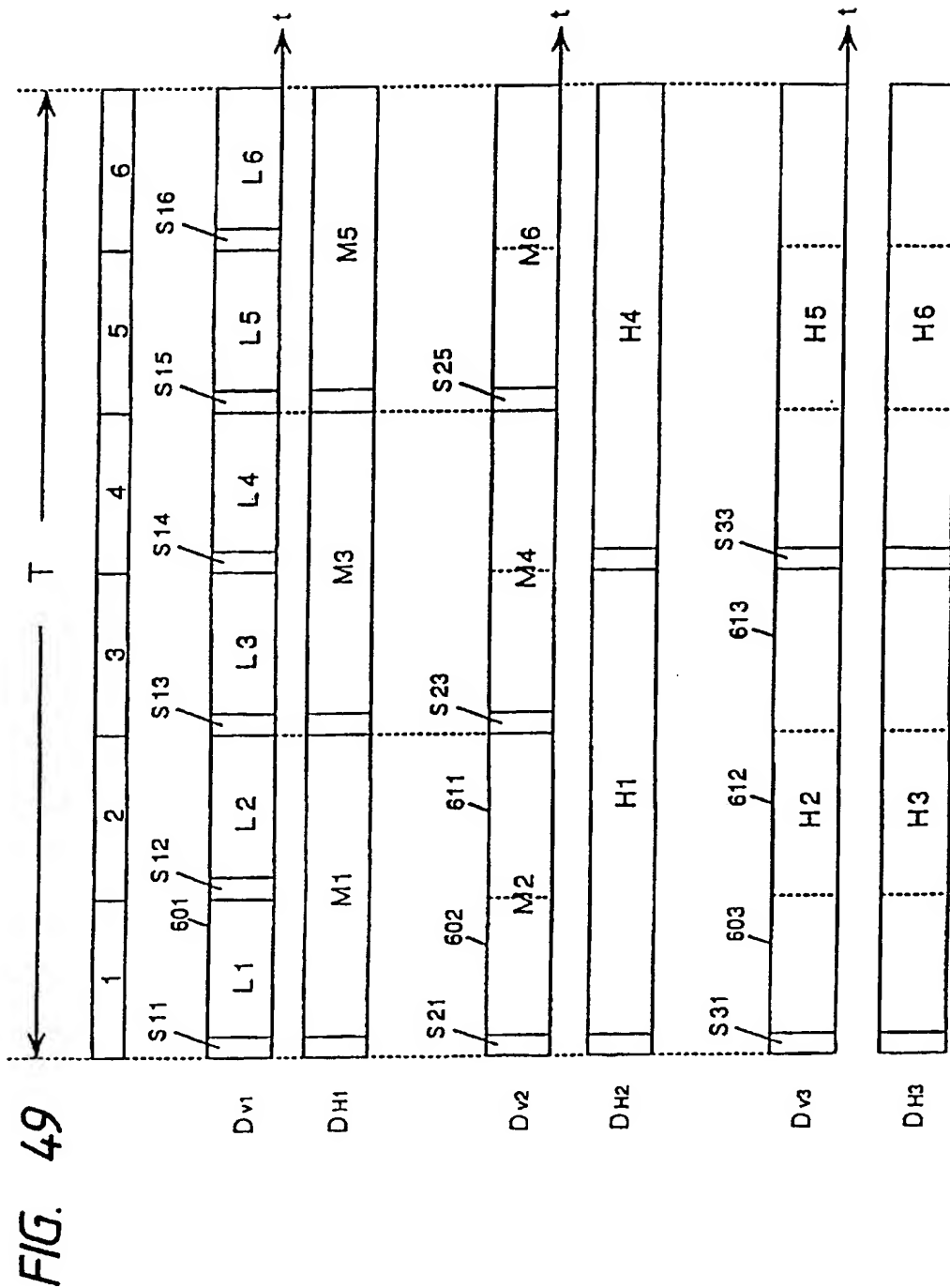


FIG. 50

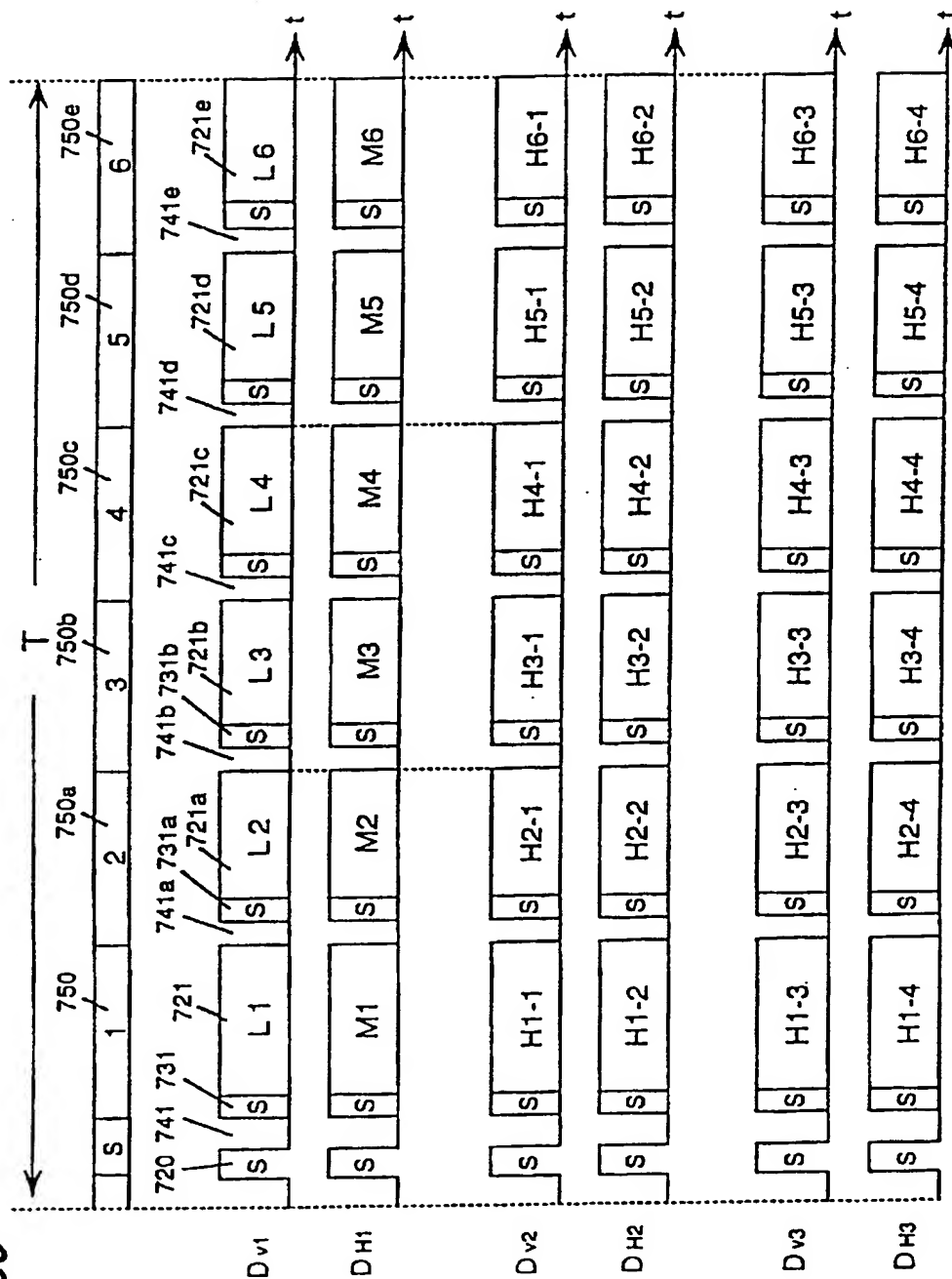


FIG. 51

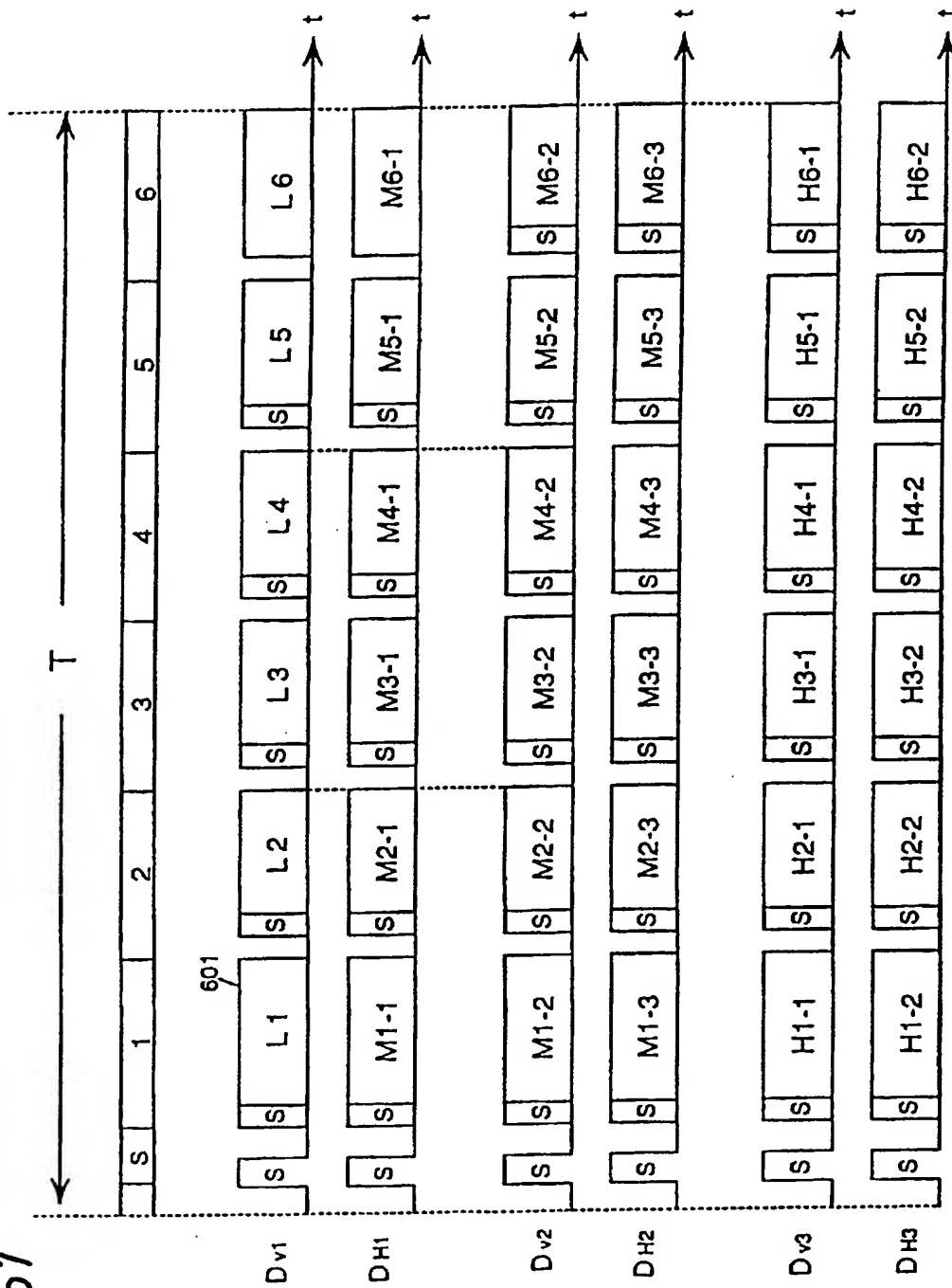


FIG. 52

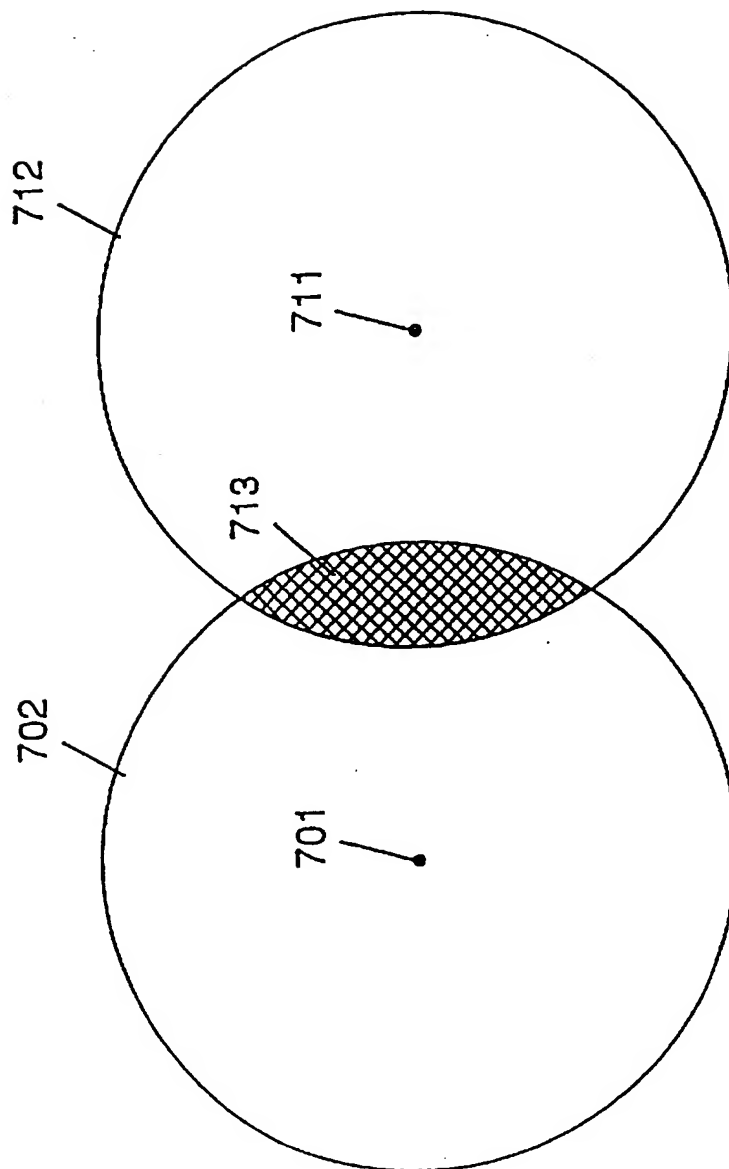




FIG. 53

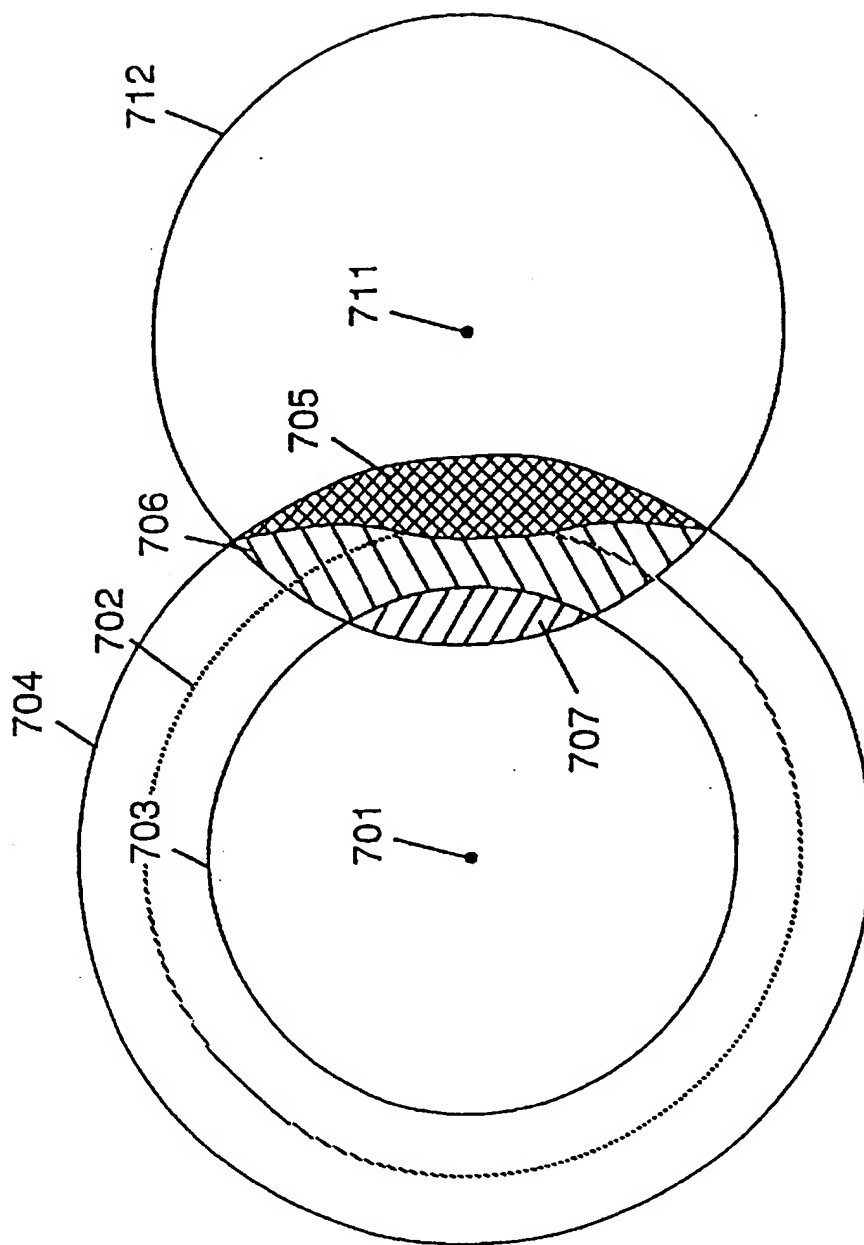


FIG. 54

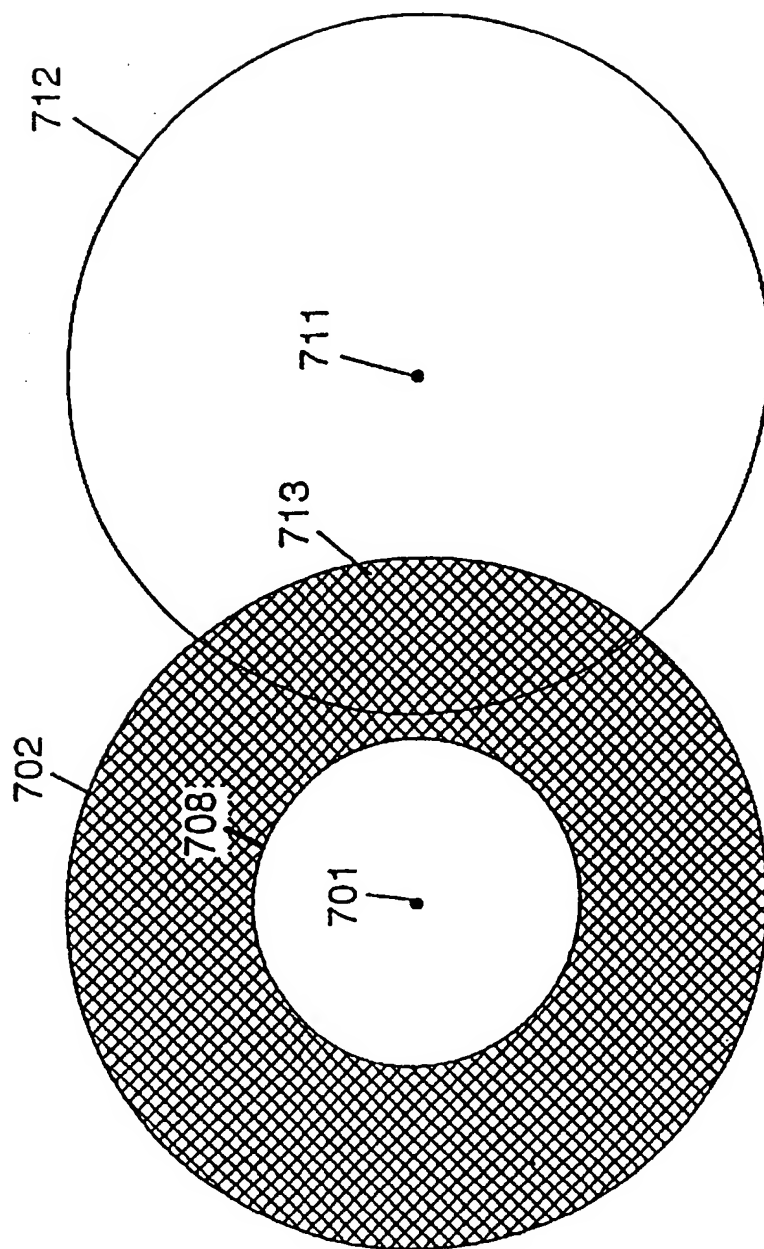
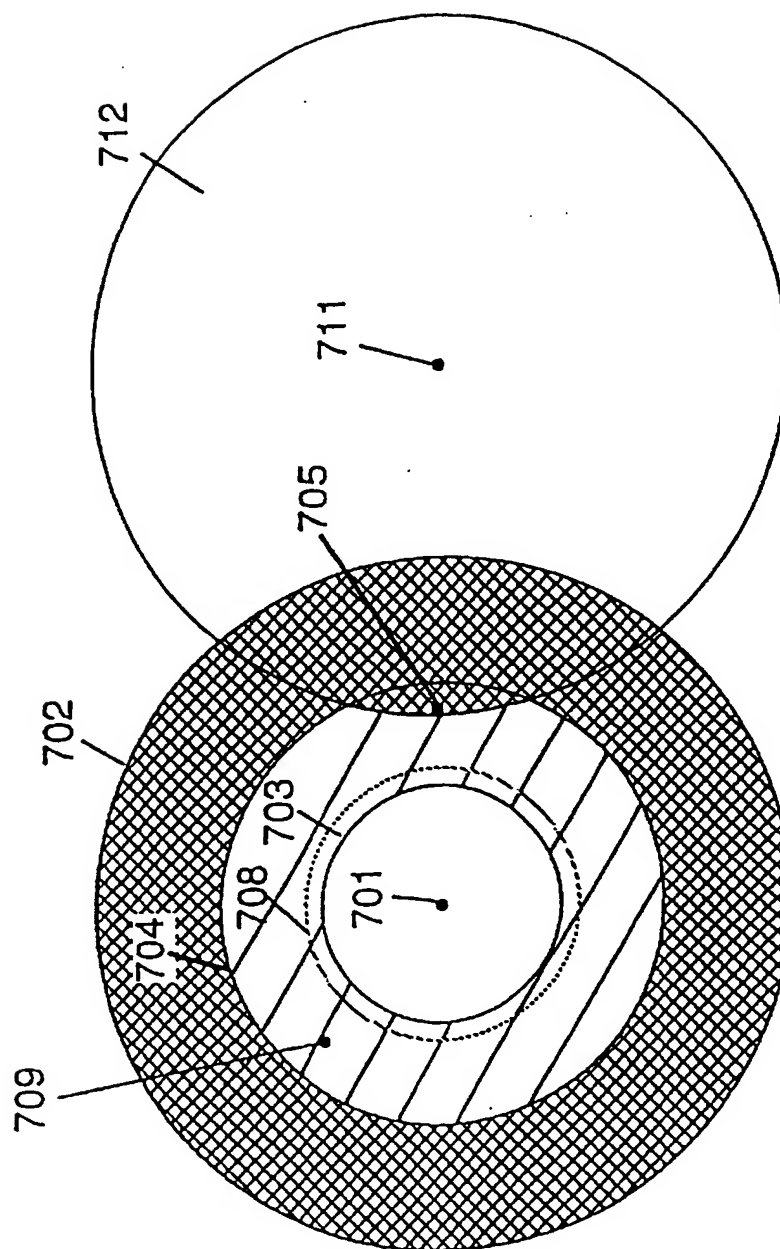


FIG. 55



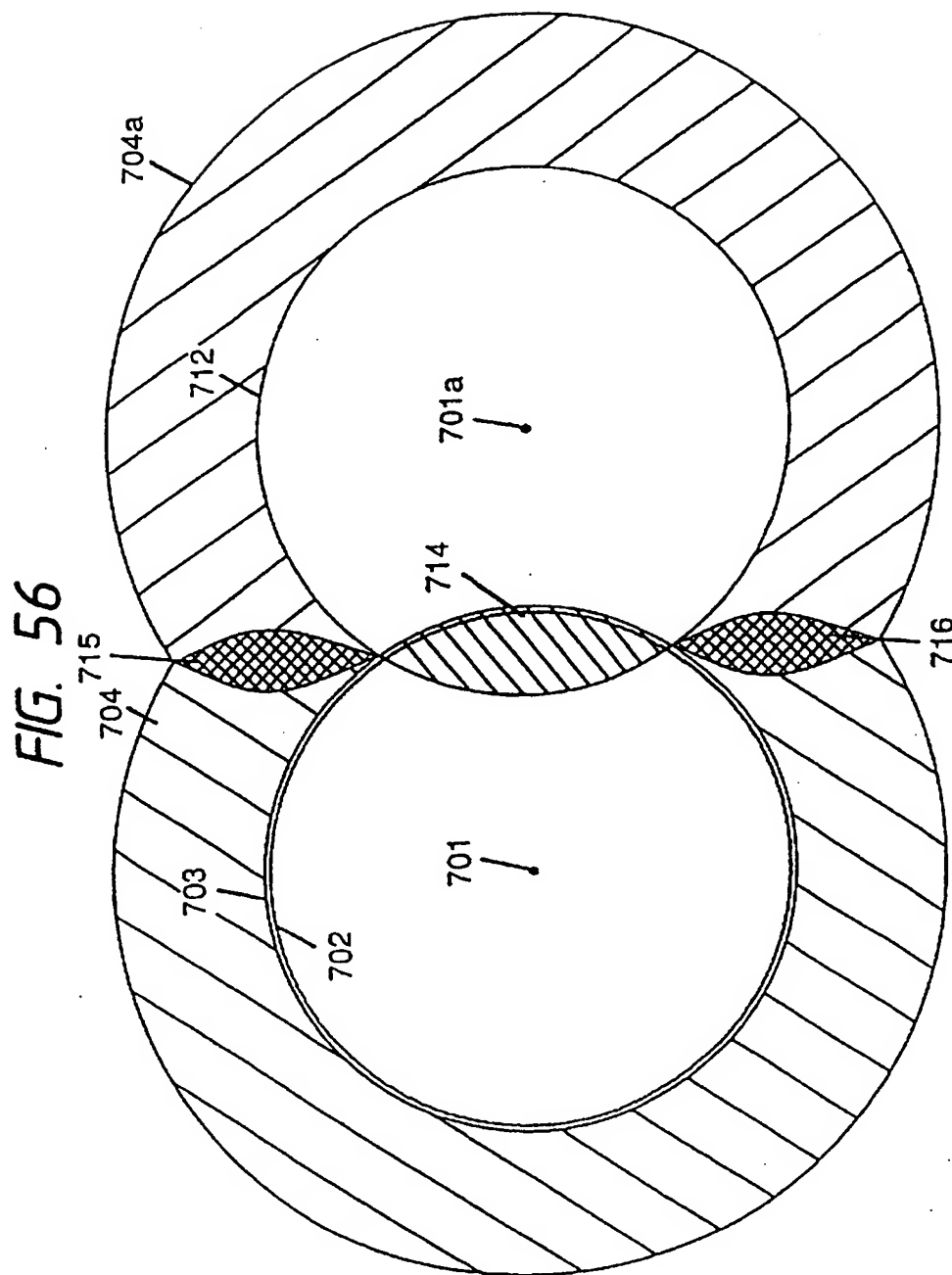


FIG. 57

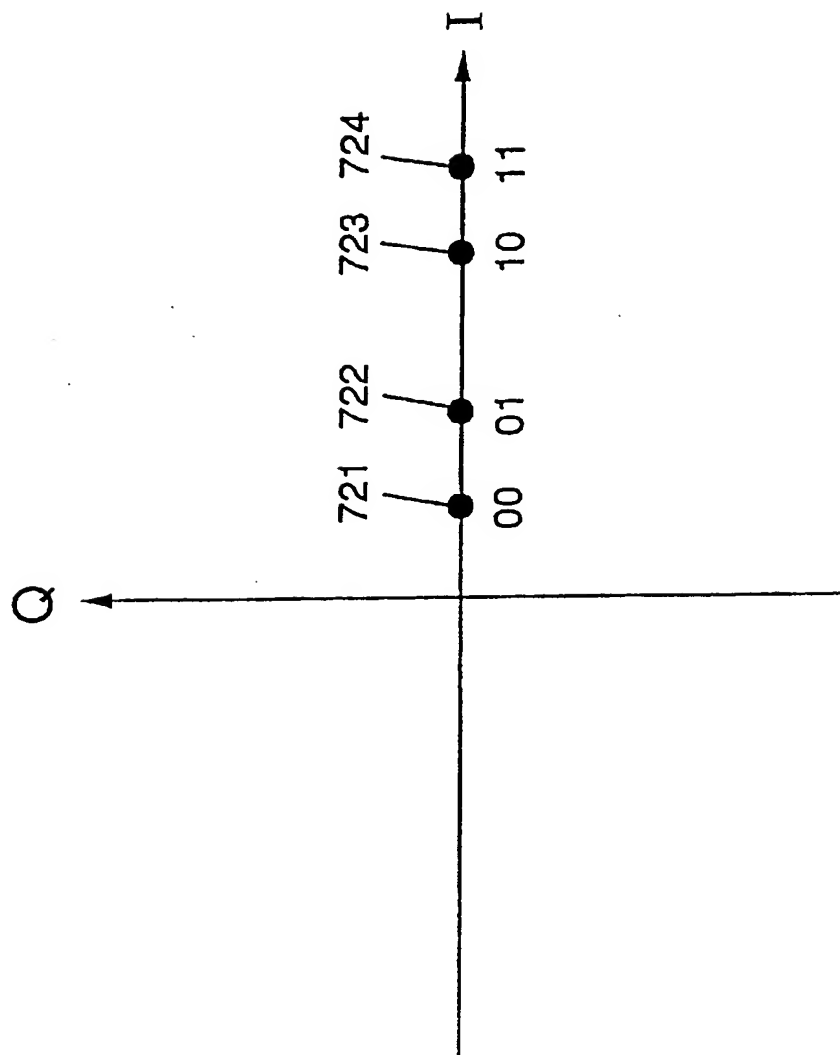


FIG. 58

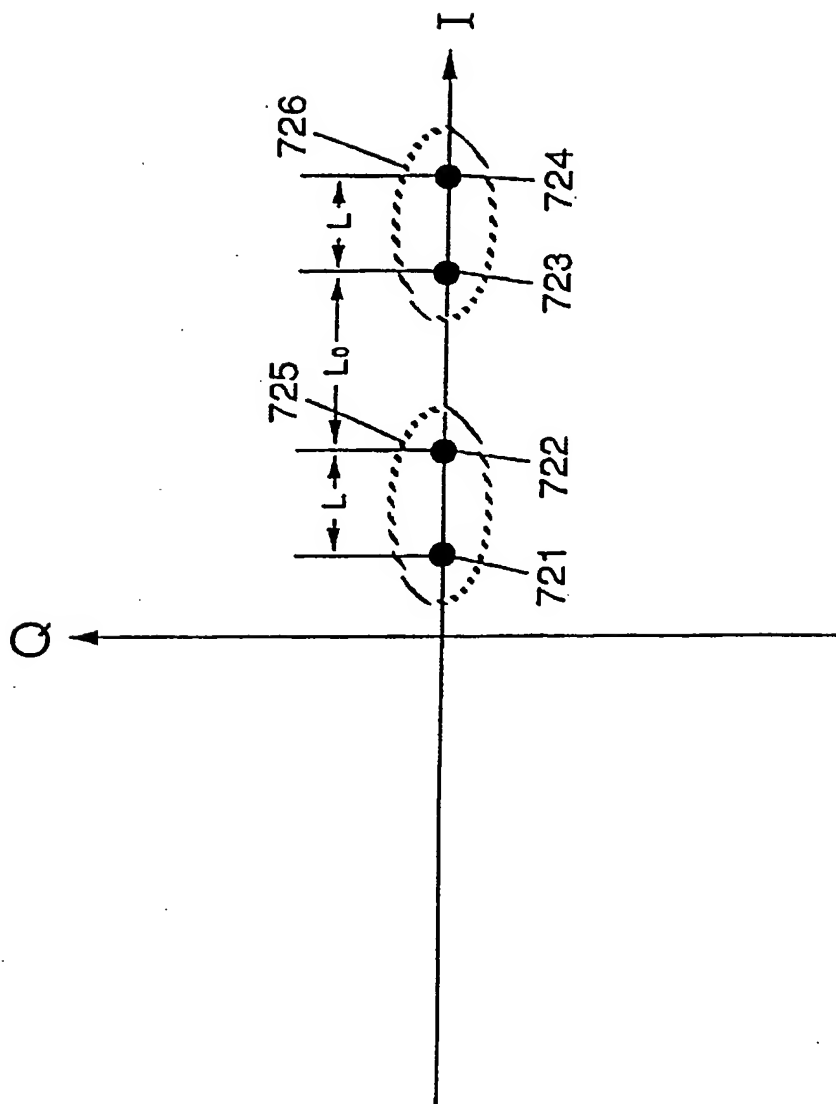


FIG. 59(a)

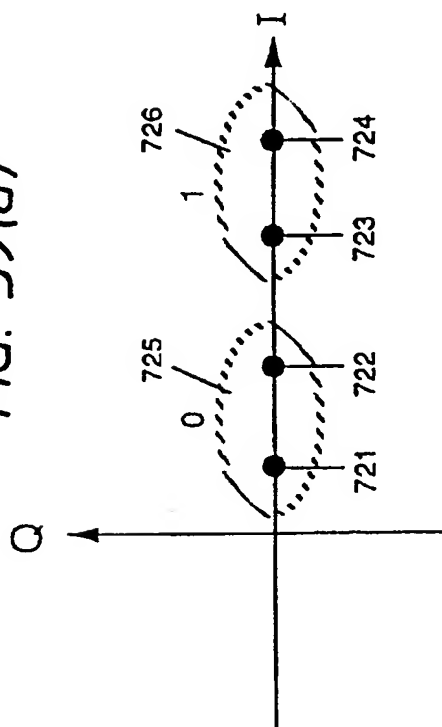


FIG. 59(c)

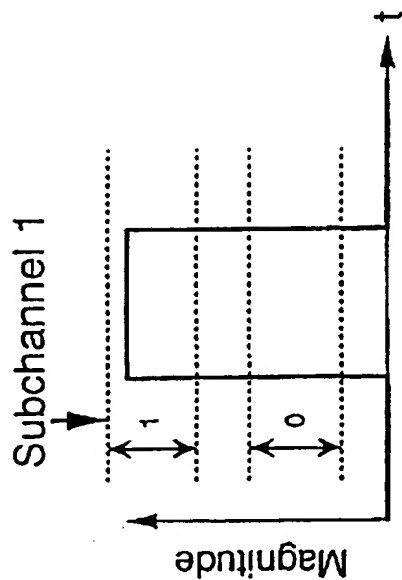


FIG. 59(b)

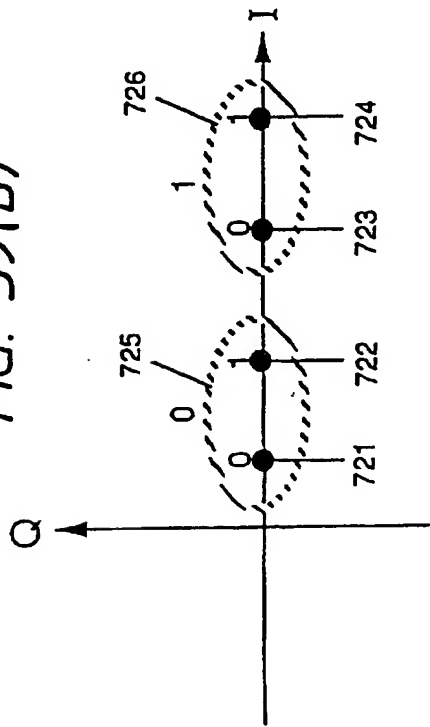


FIG. 59(d)

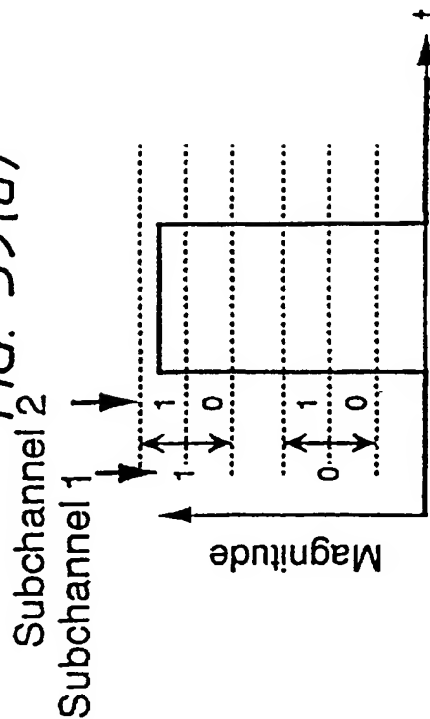


FIG. 60

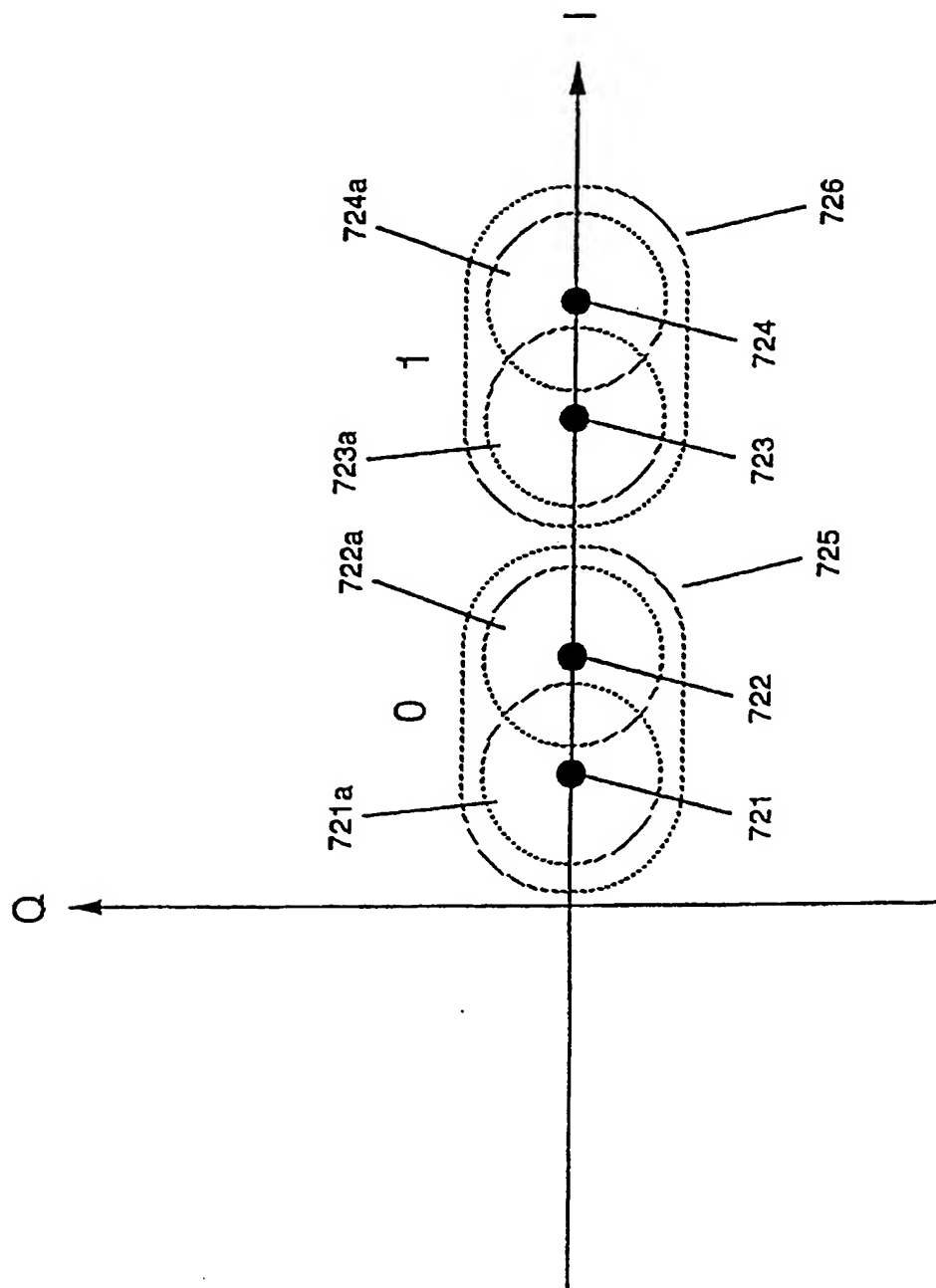




FIG. 61

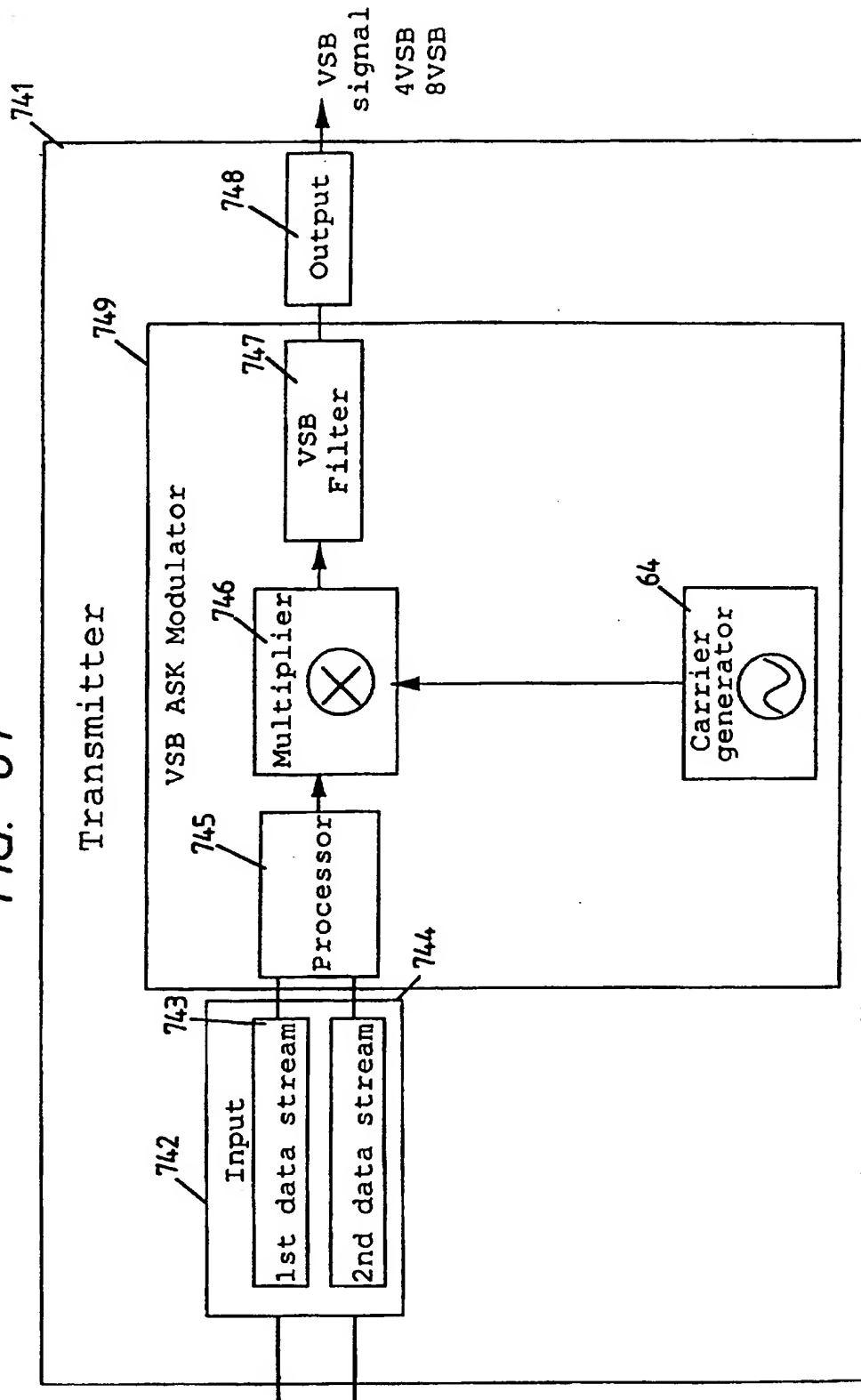


FIG. 62(a)

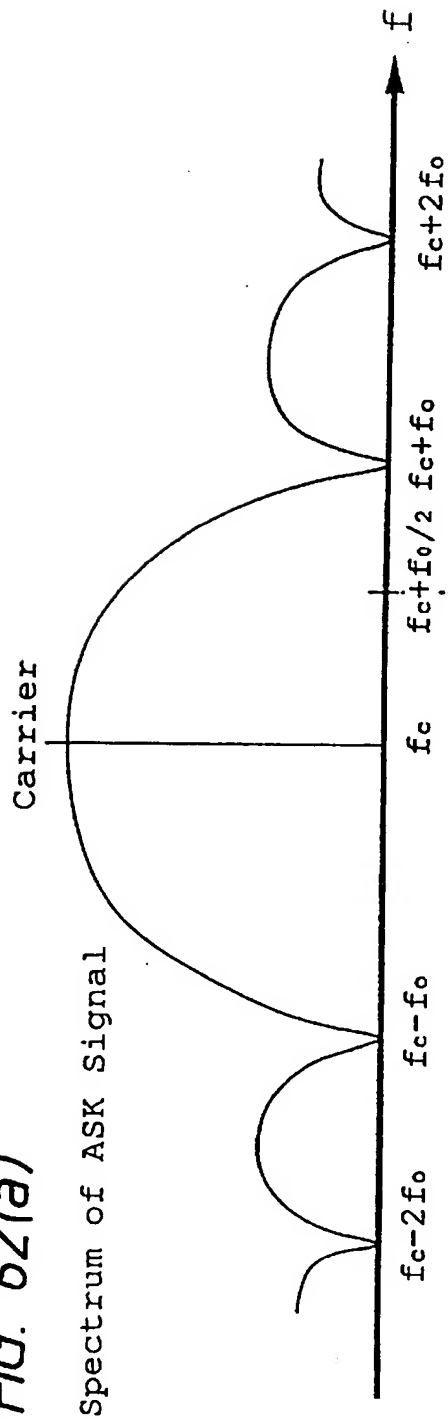


FIG. 62(b)

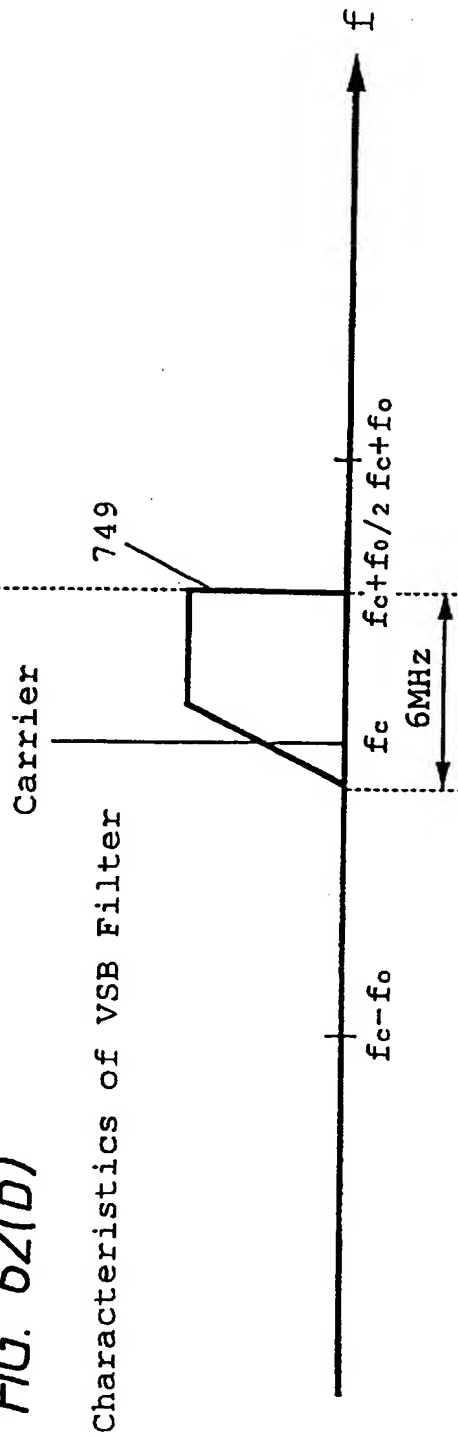


FIG. 63

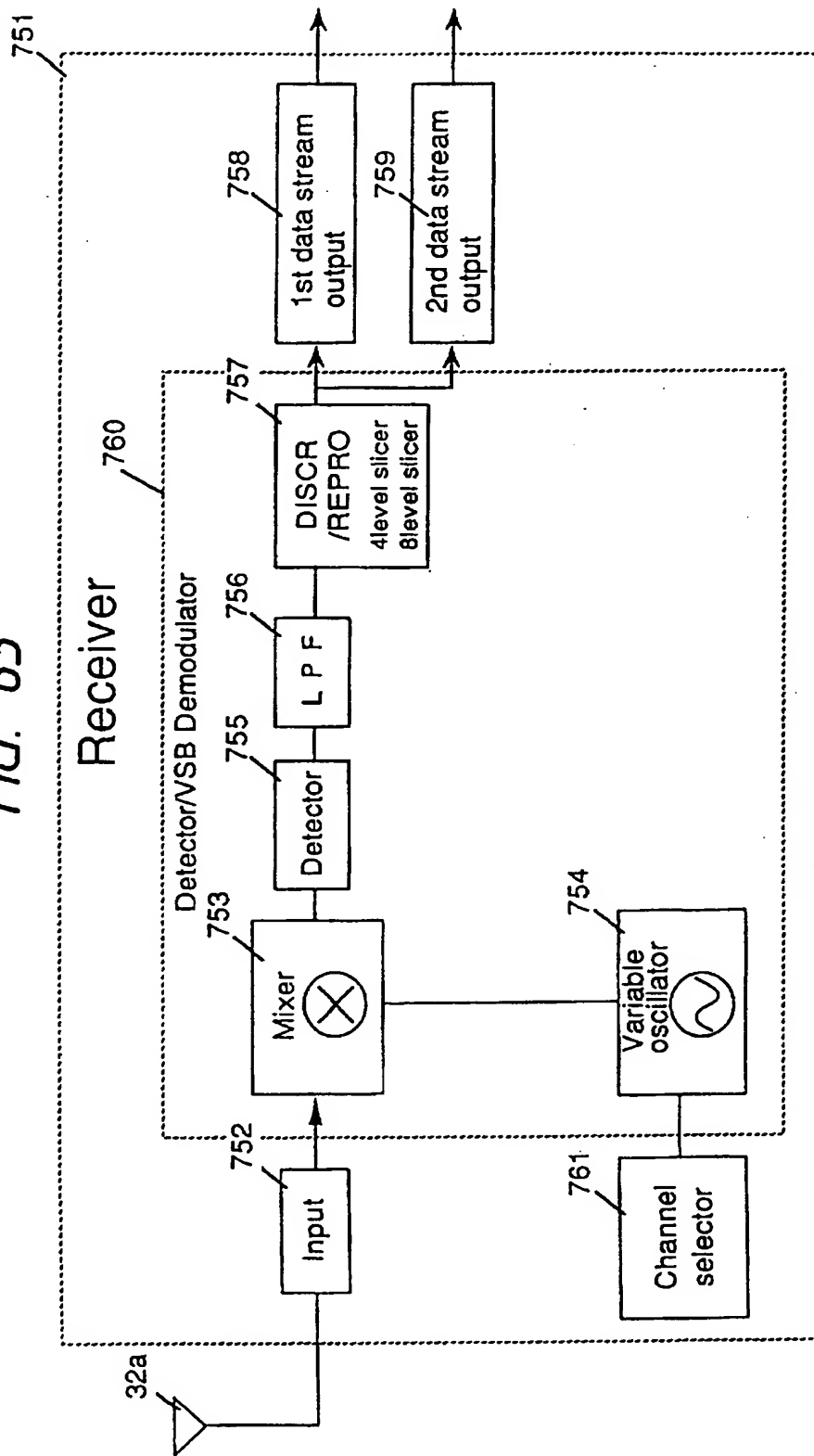


FIG. 64

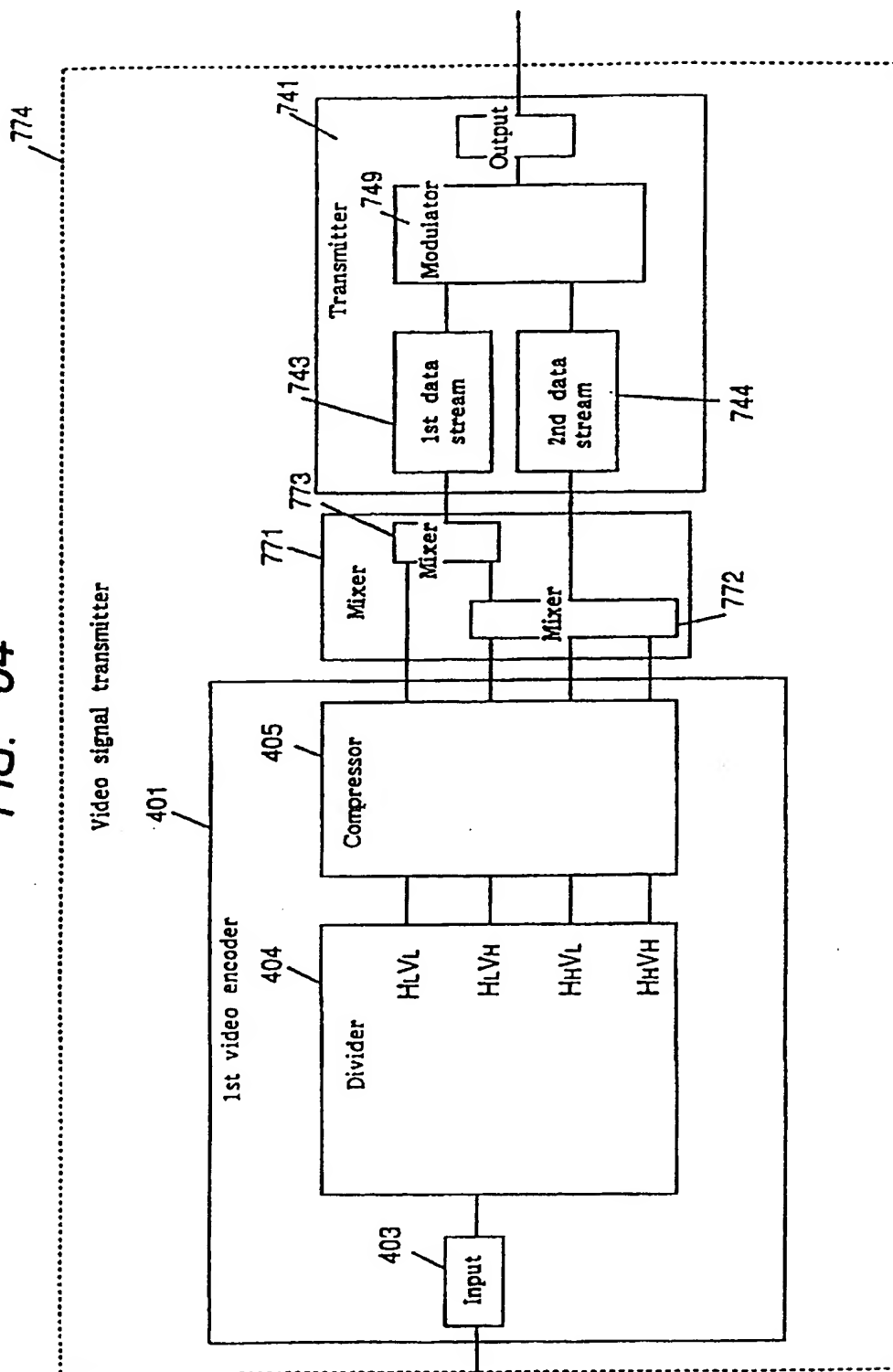


FIG. 65

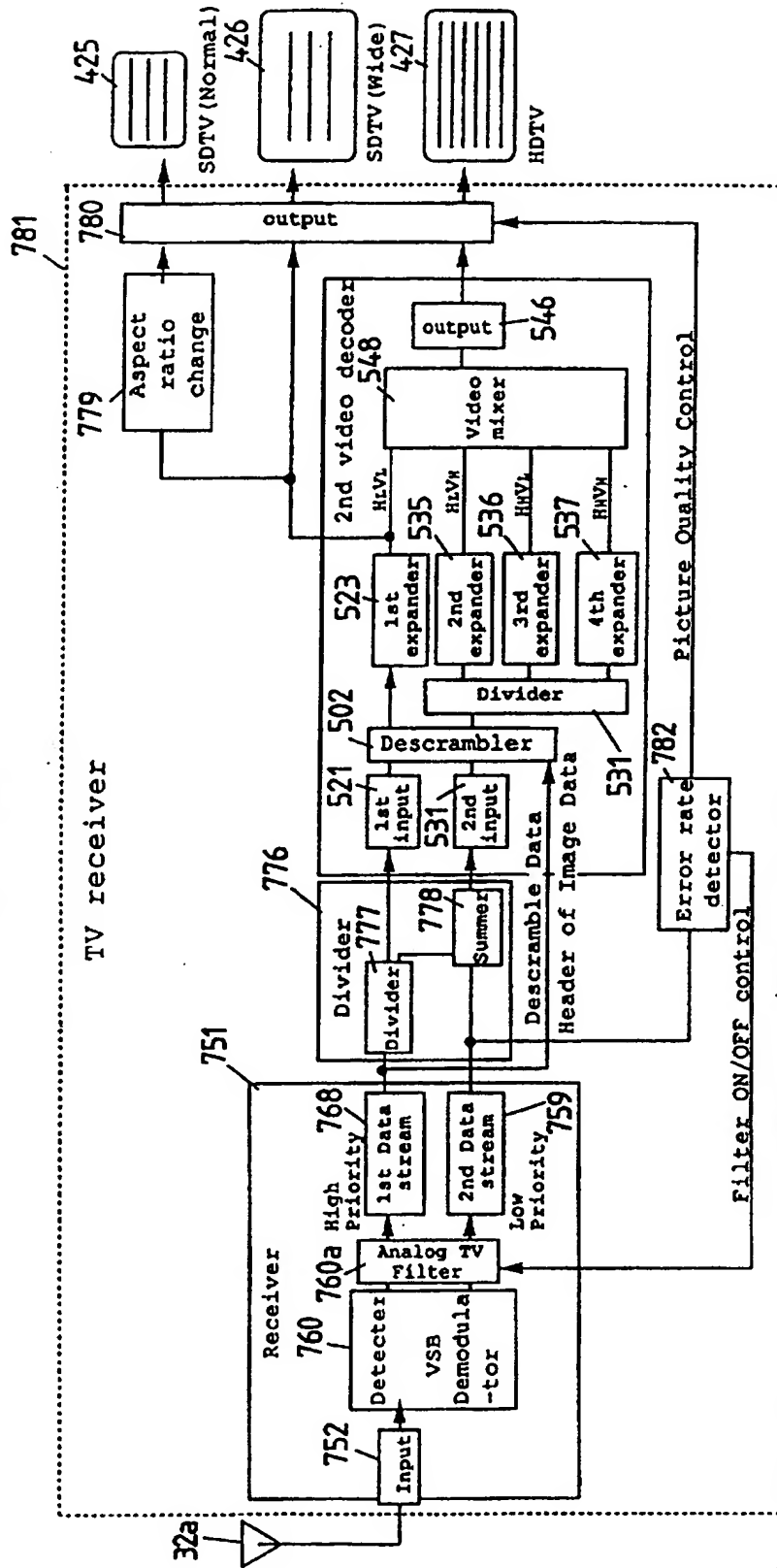


FIG. 66

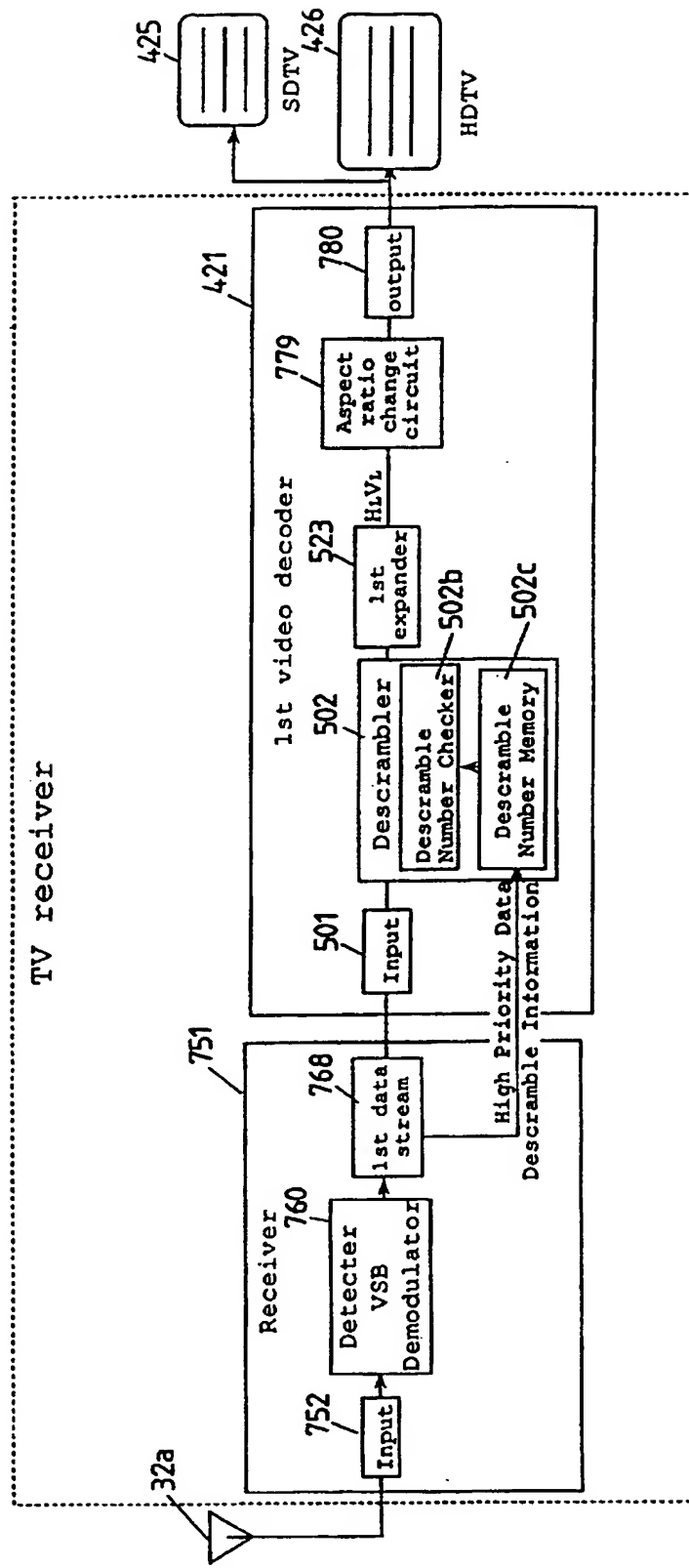


FIG. 67

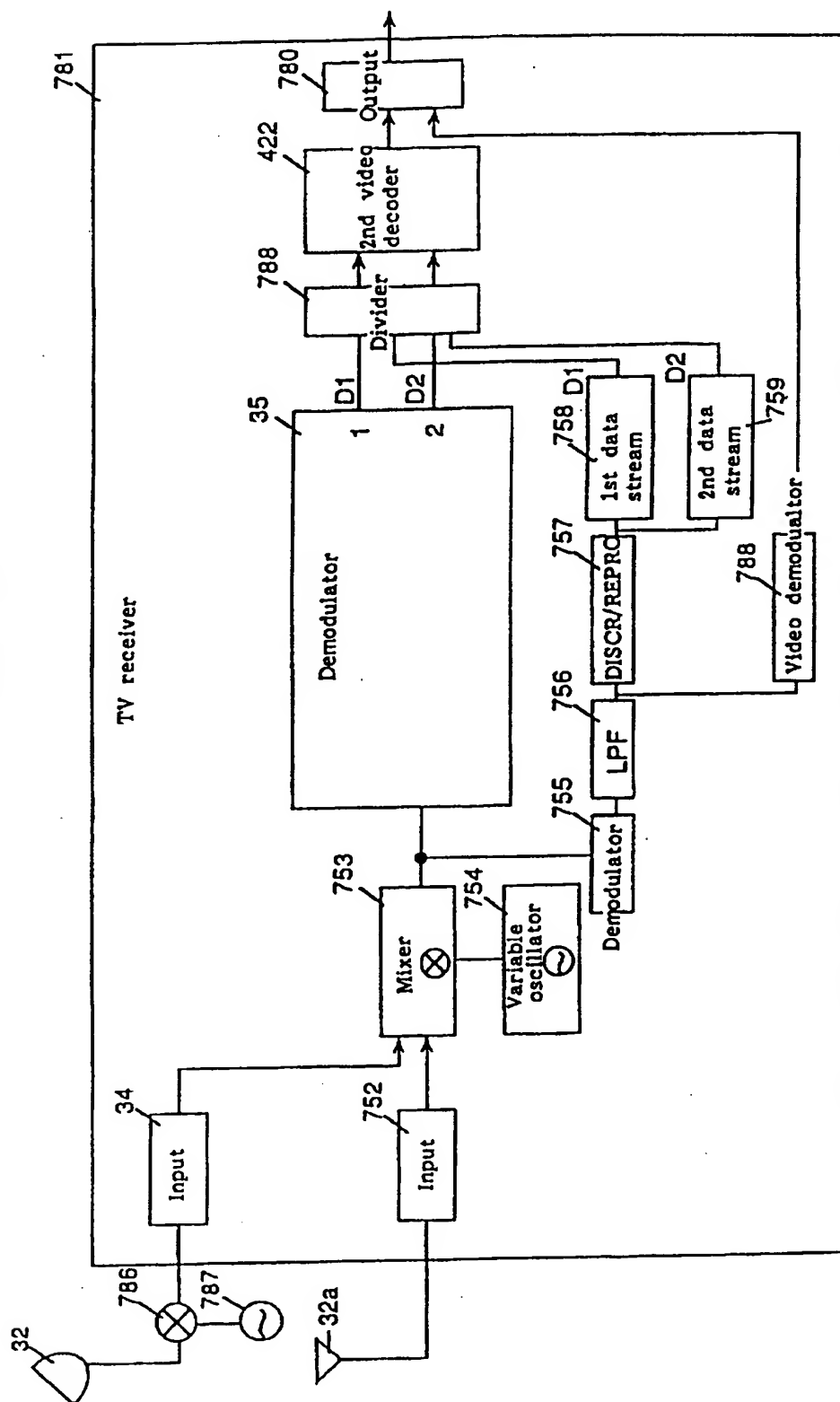


FIG. 68(a)

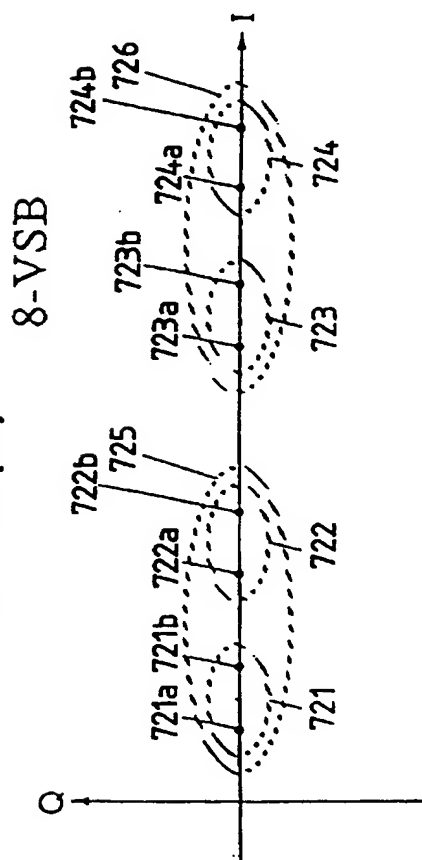


FIG. 68(c)

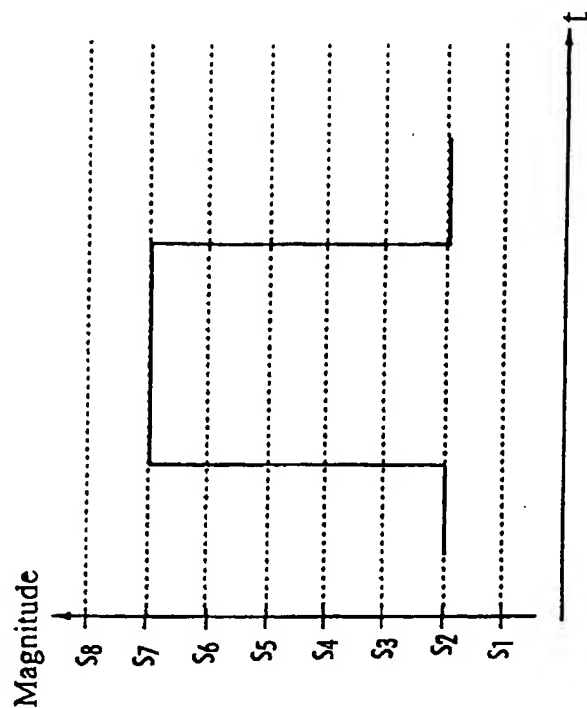


FIG. 68(b)

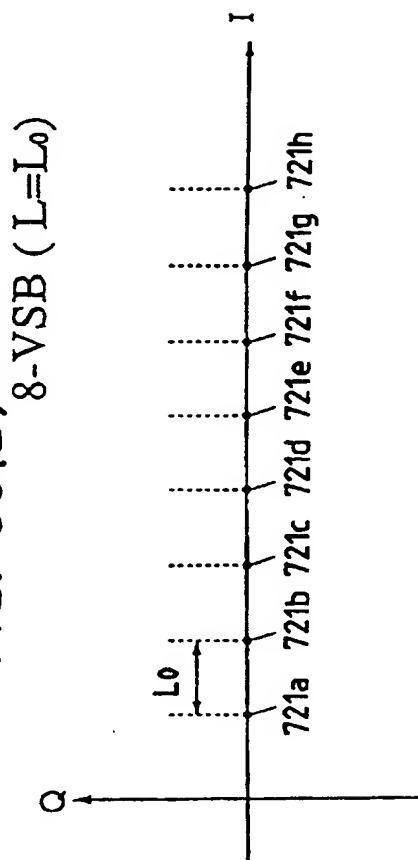




FIG. 69

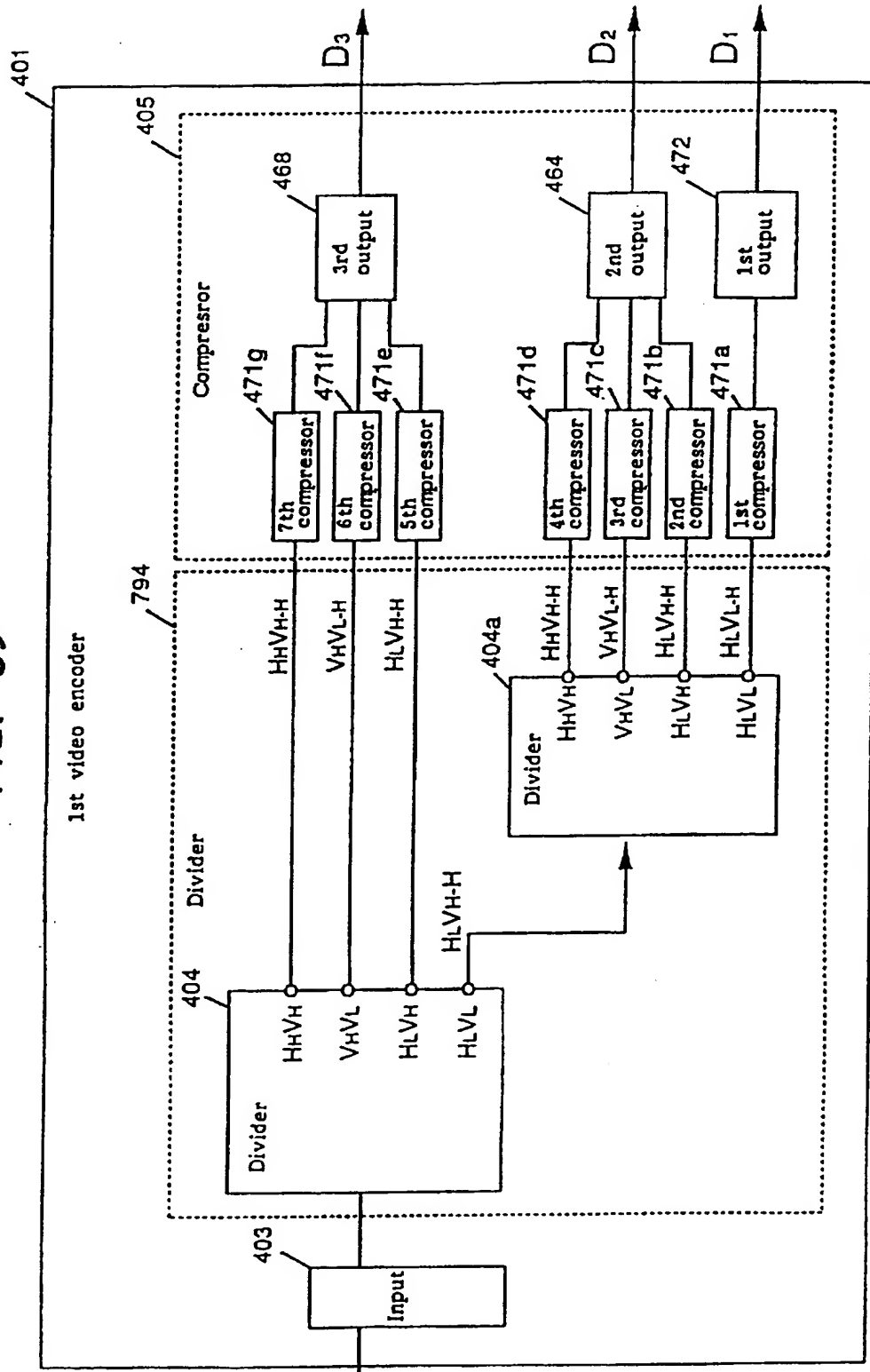


FIG. 70

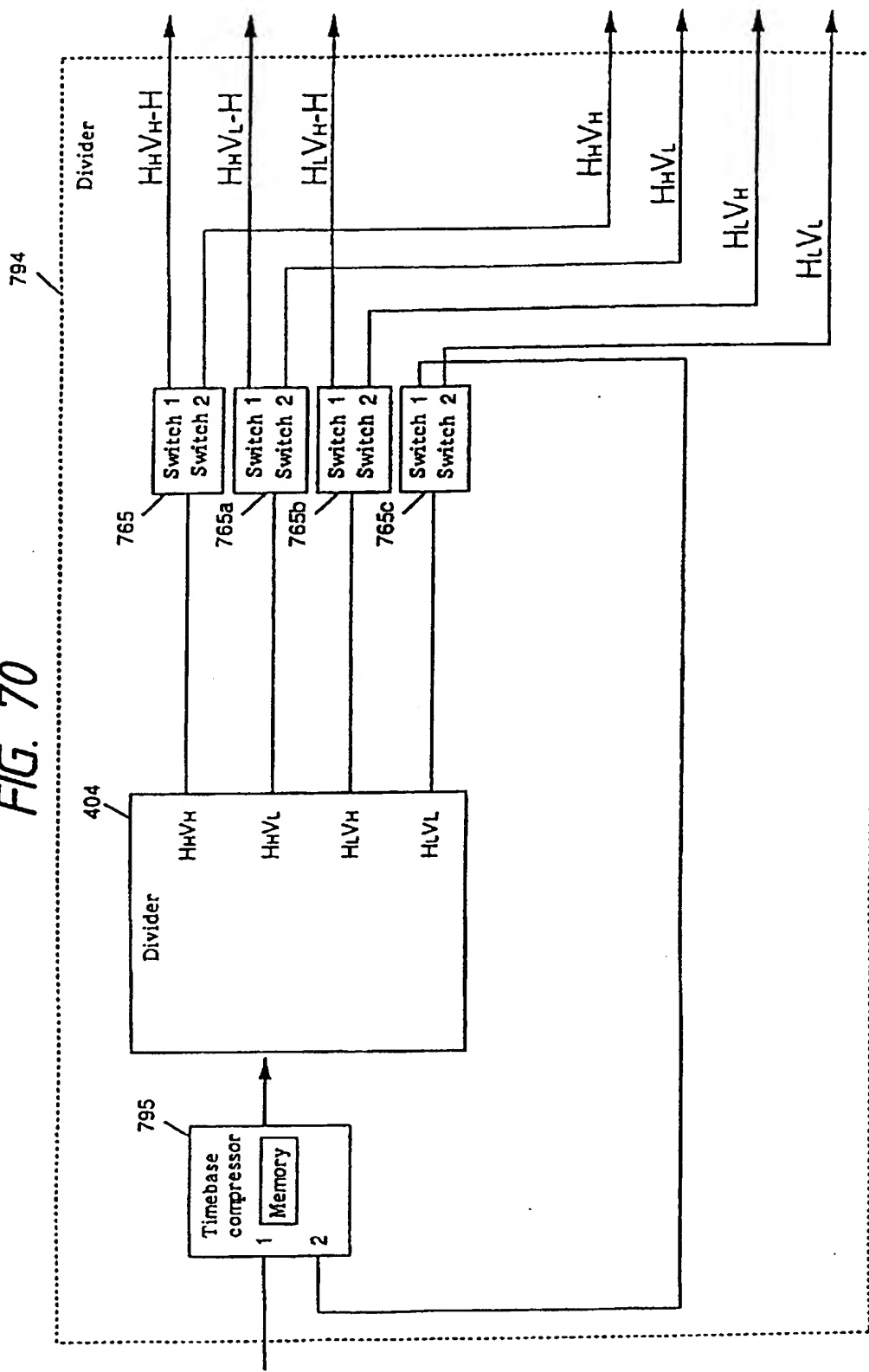


FIG. 71

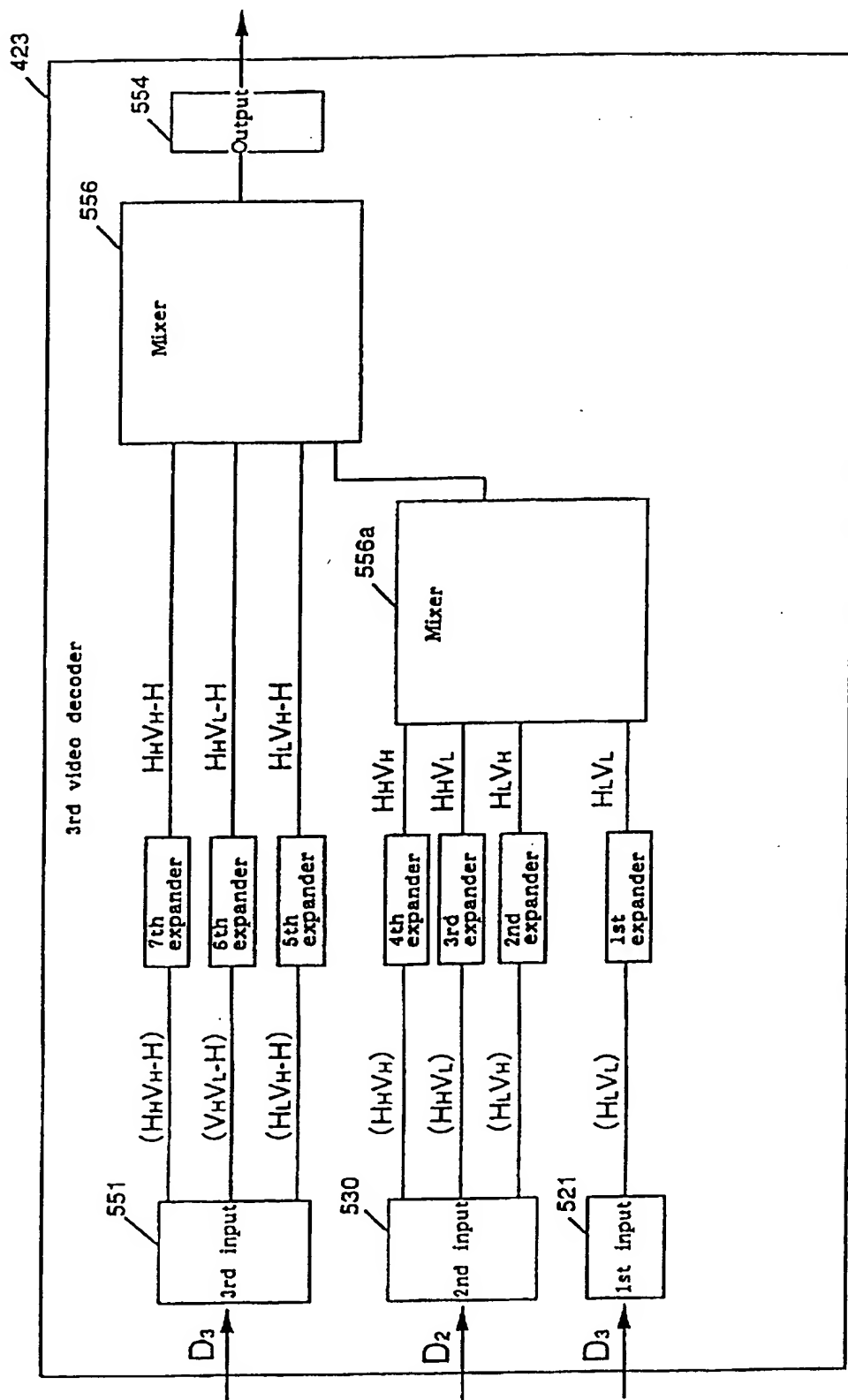


FIG. 72

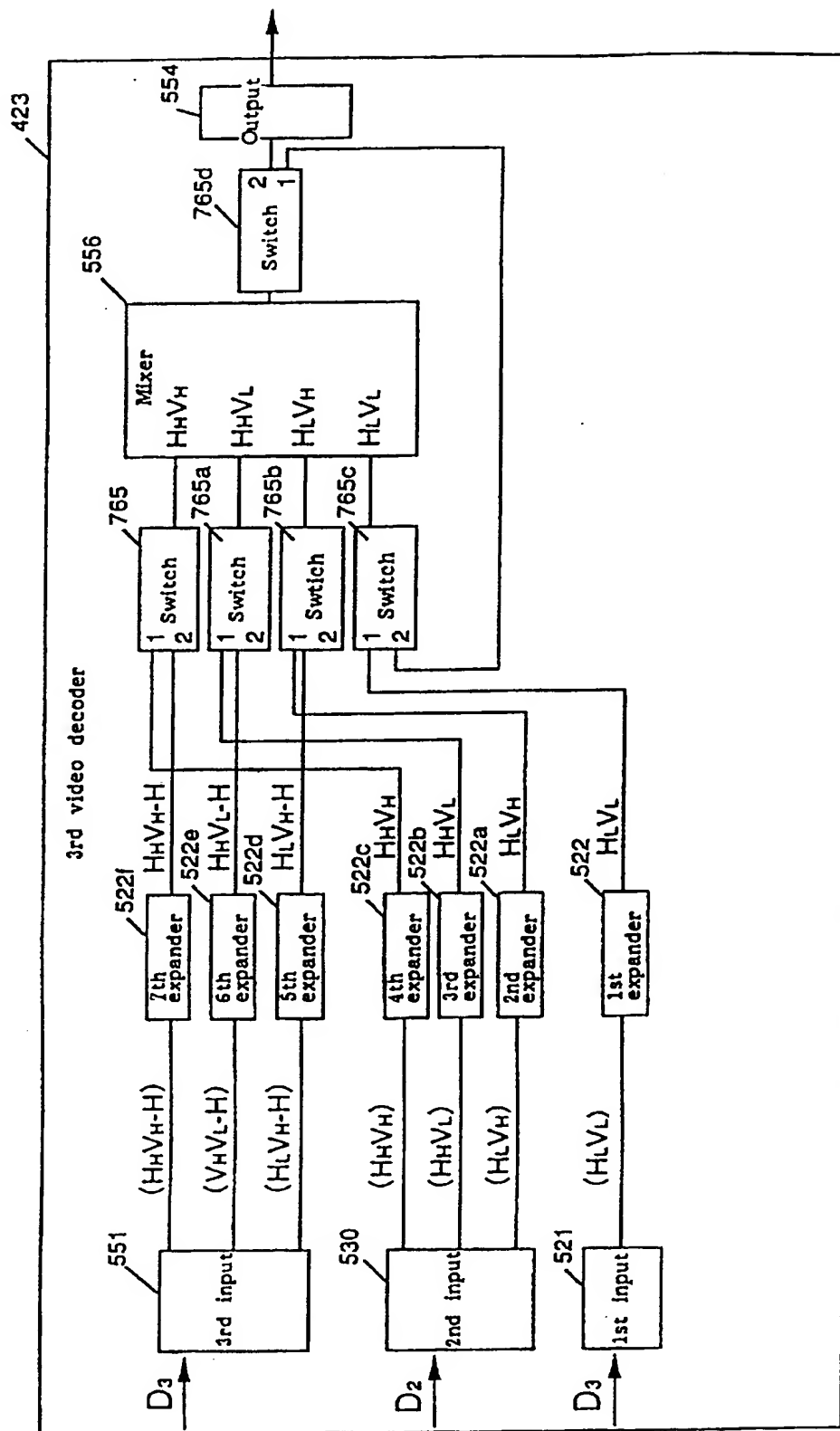


FIG. 73

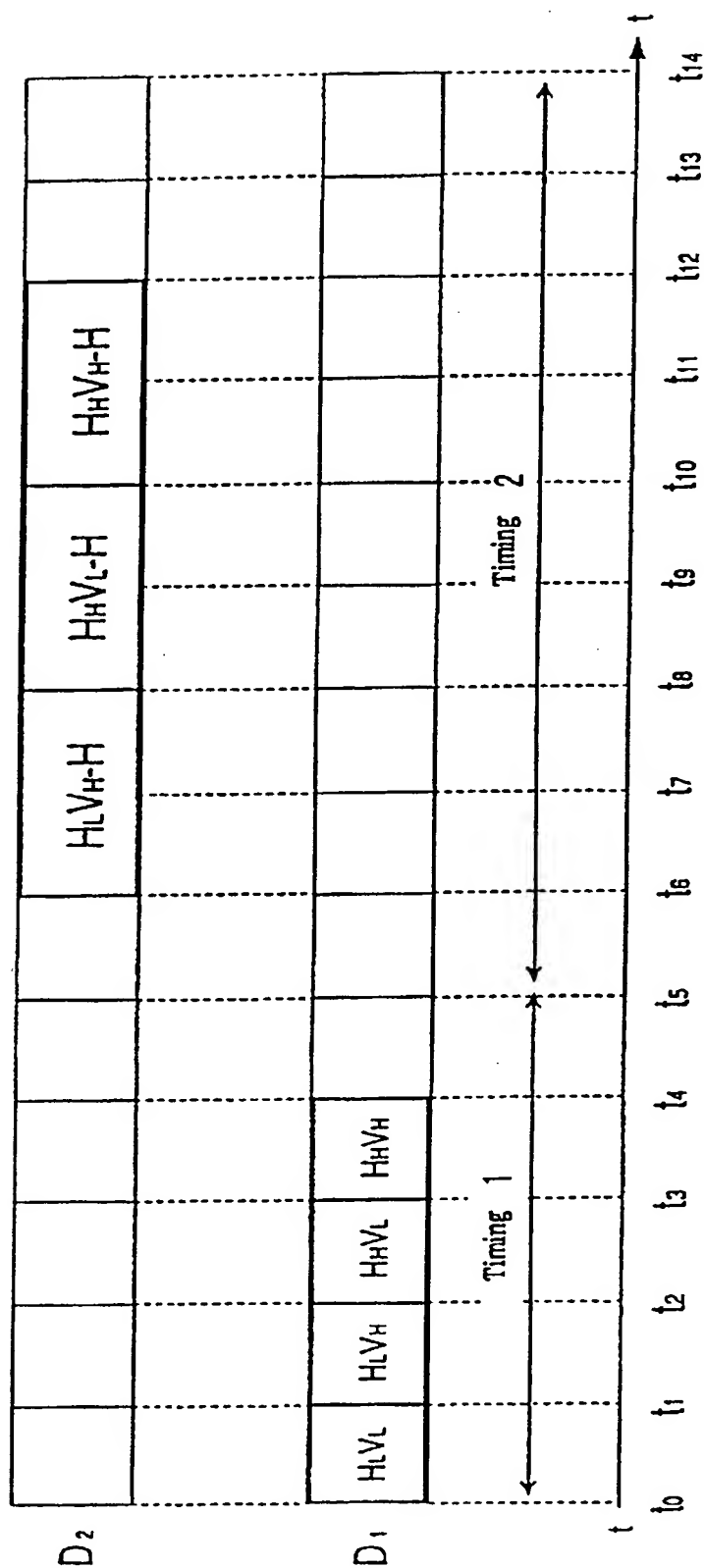


FIG. 74(a)

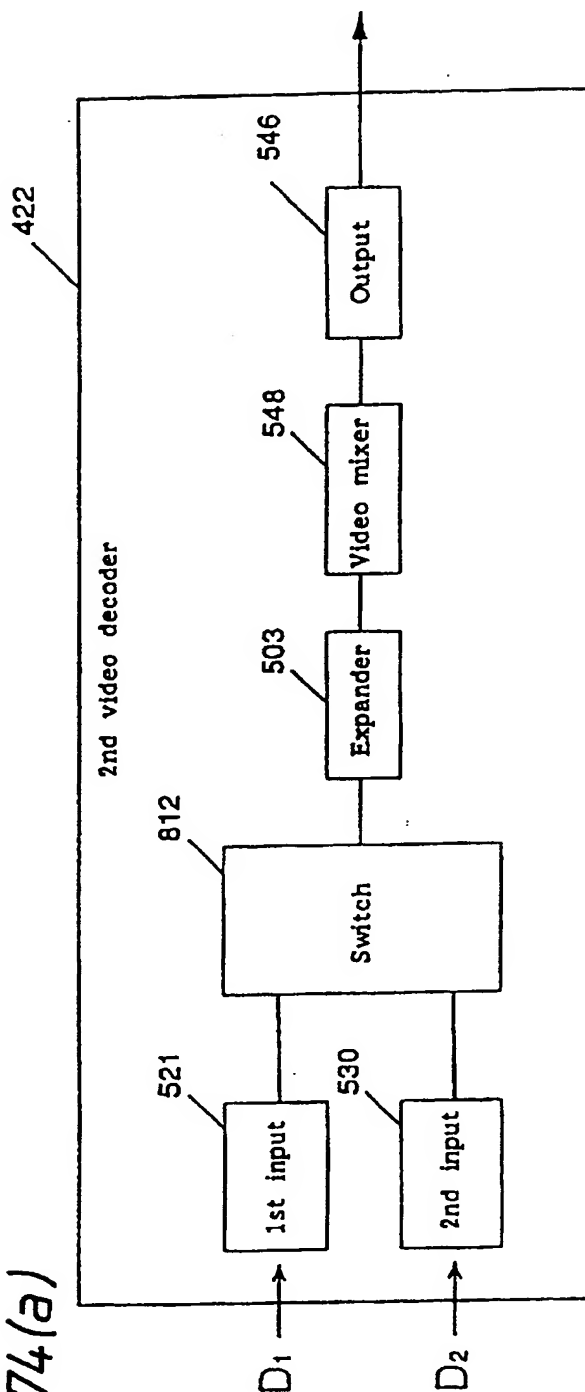


FIG. 74(b)

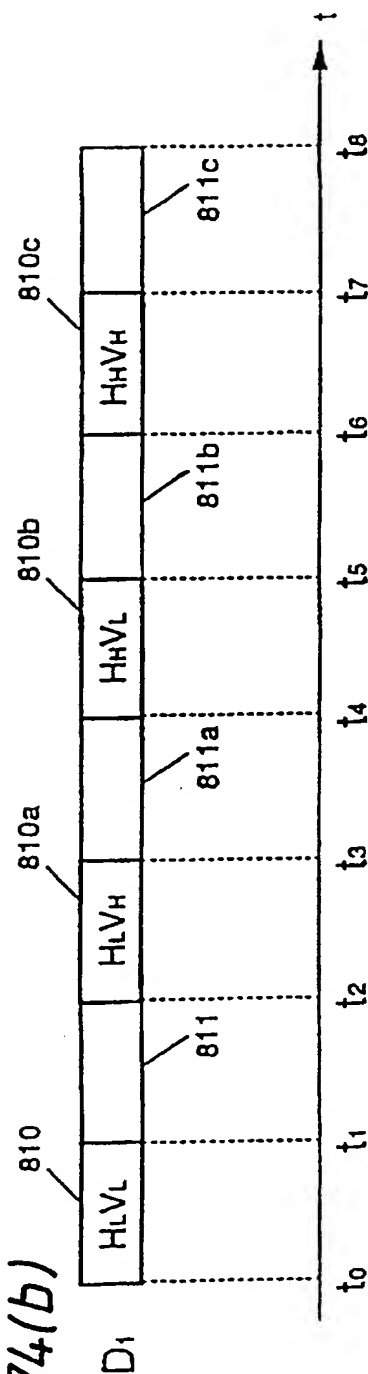


FIG. 75

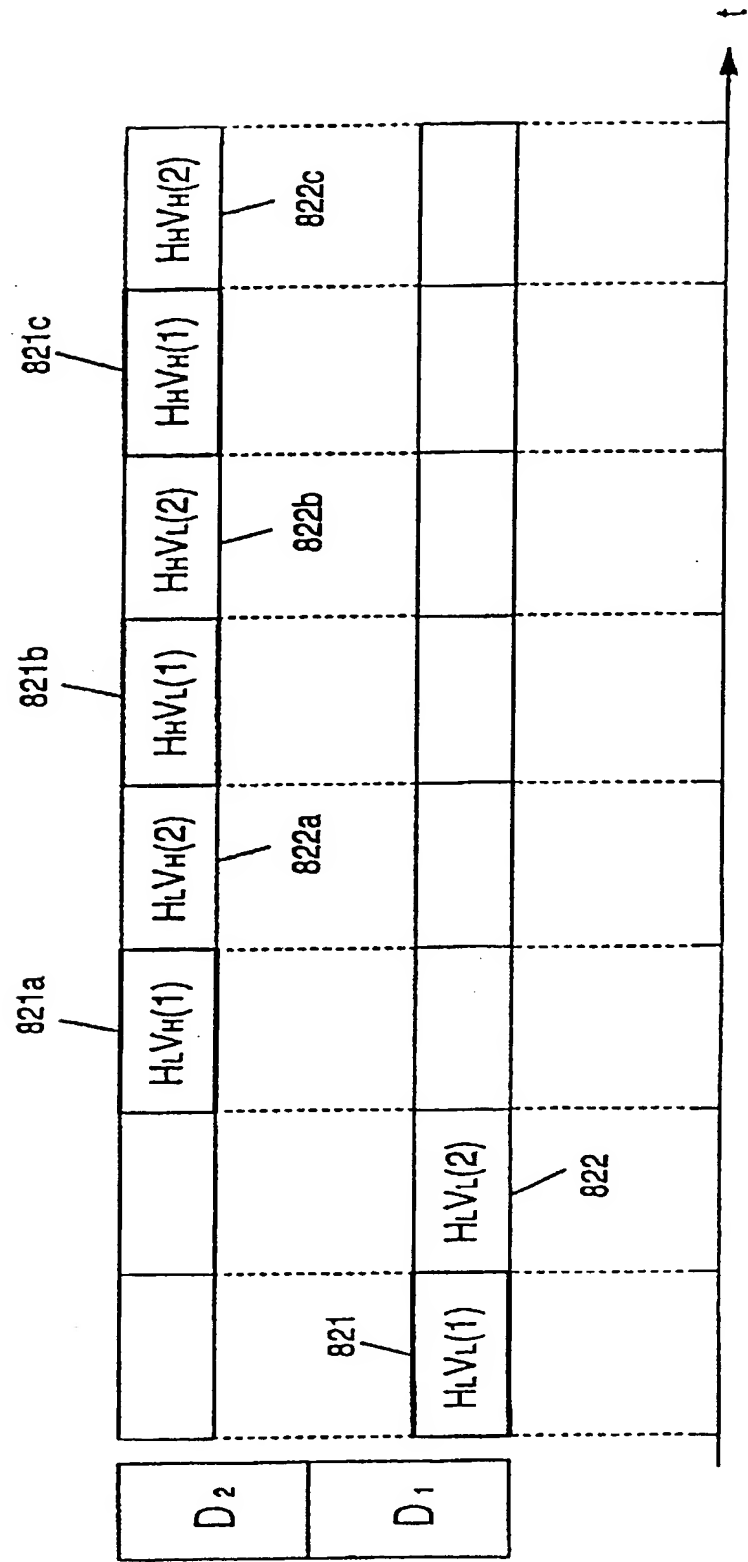


FIG. 76

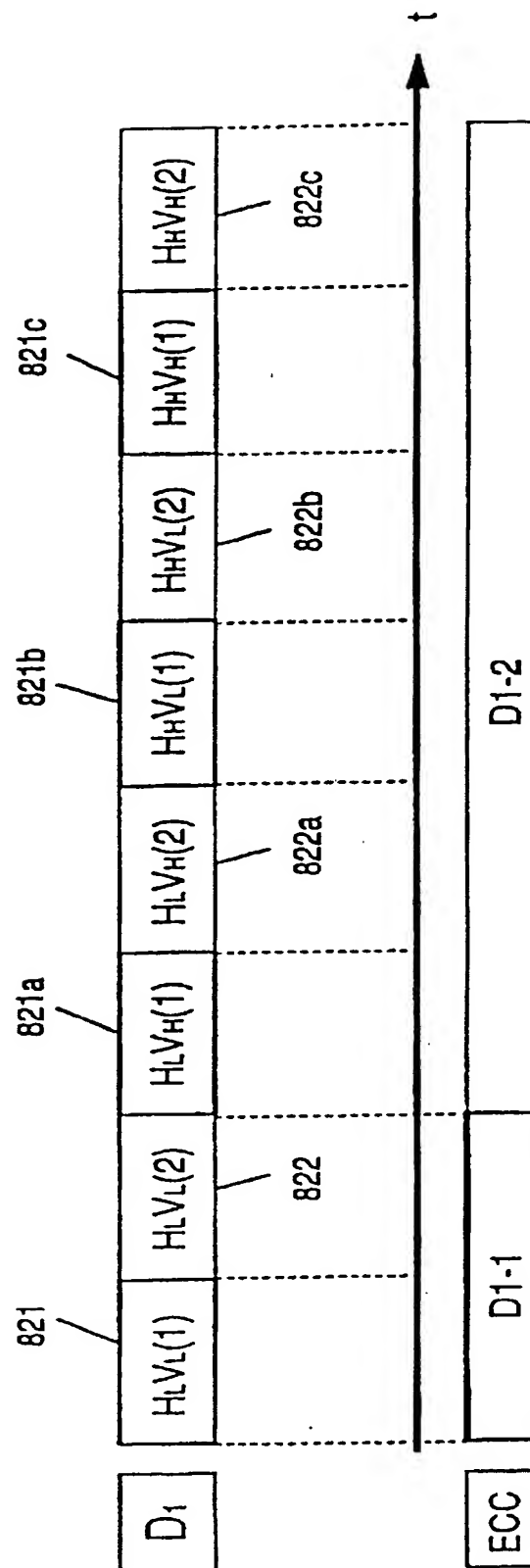




FIG. 77

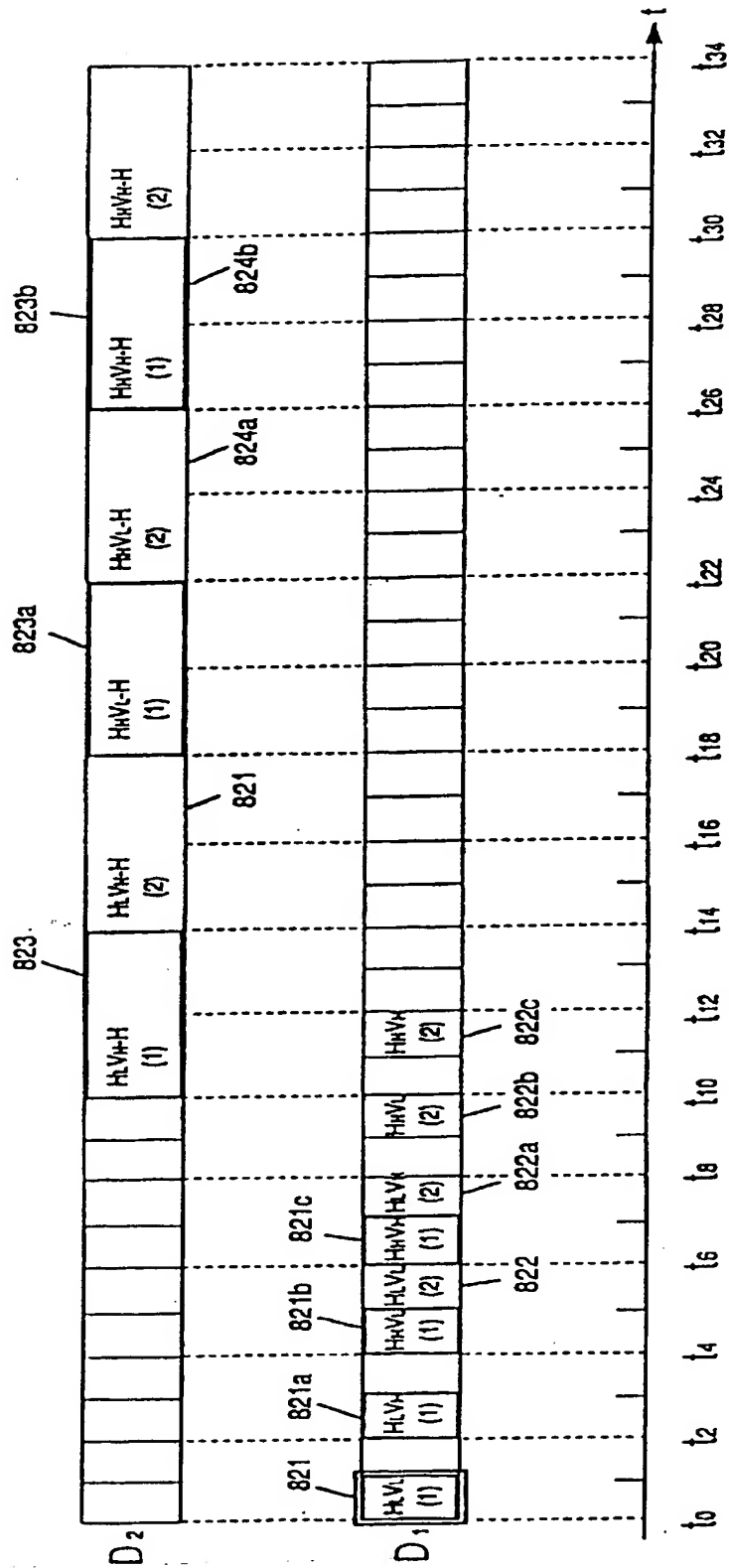


FIG. 78

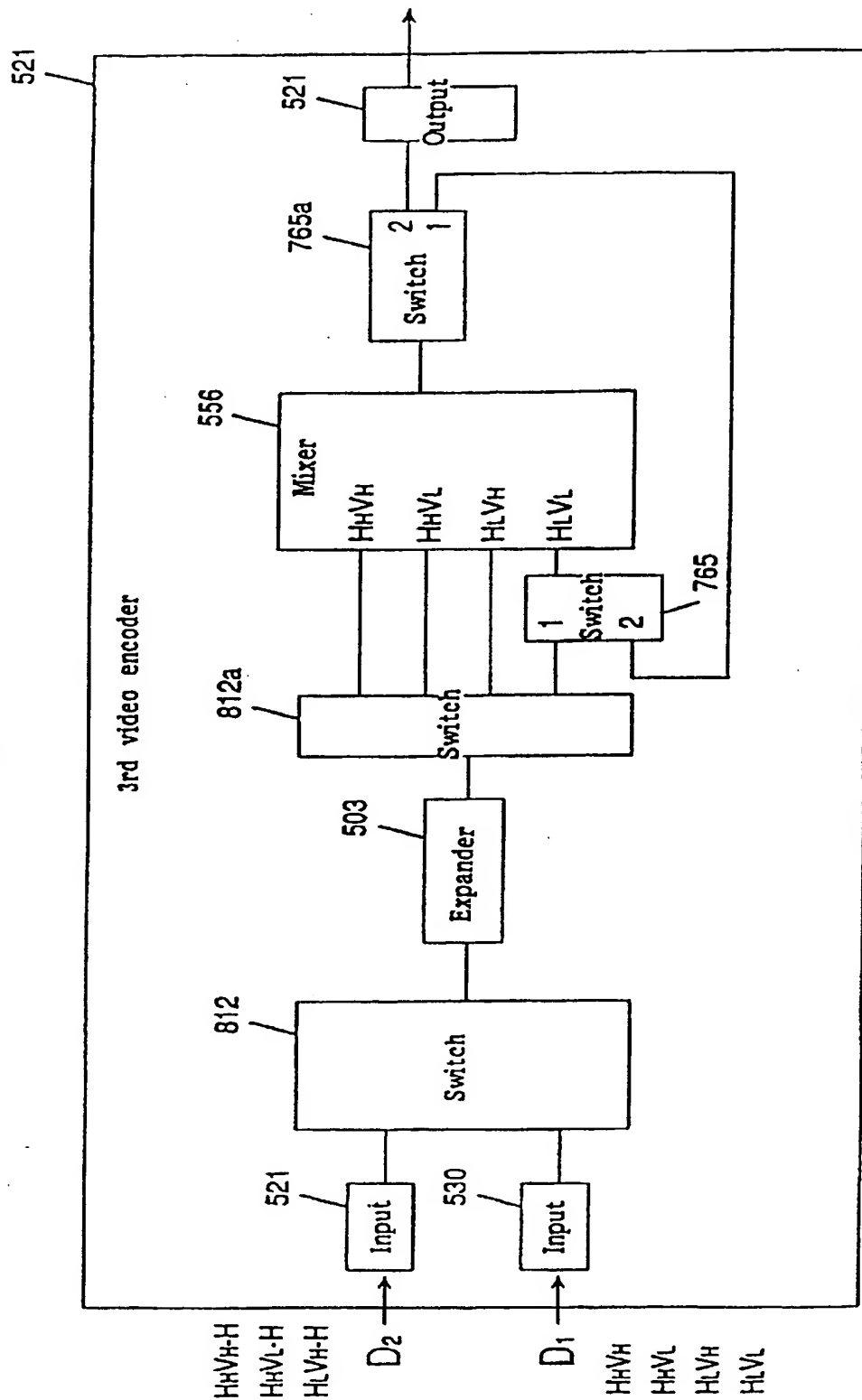


FIG. 79

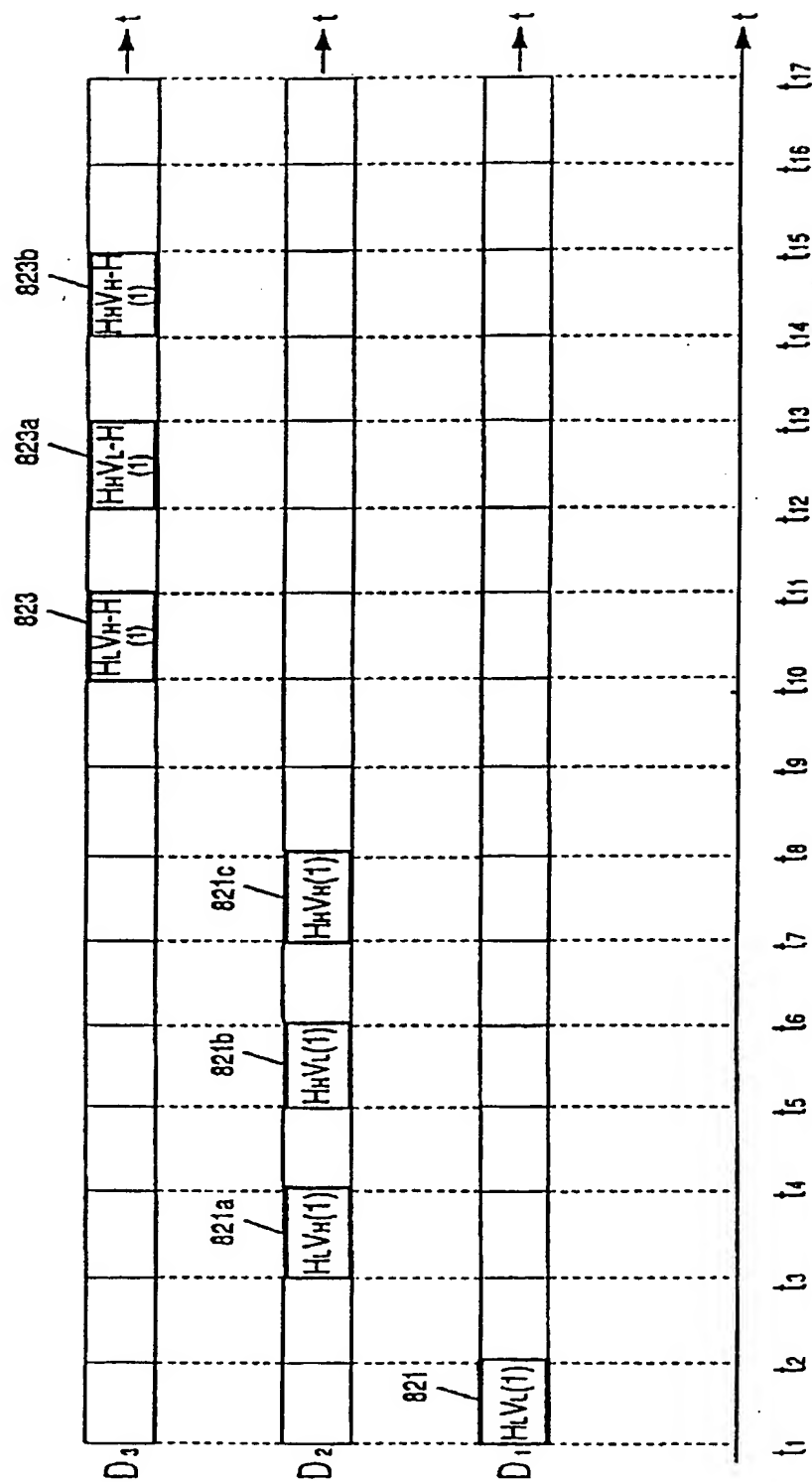


FIG. 80

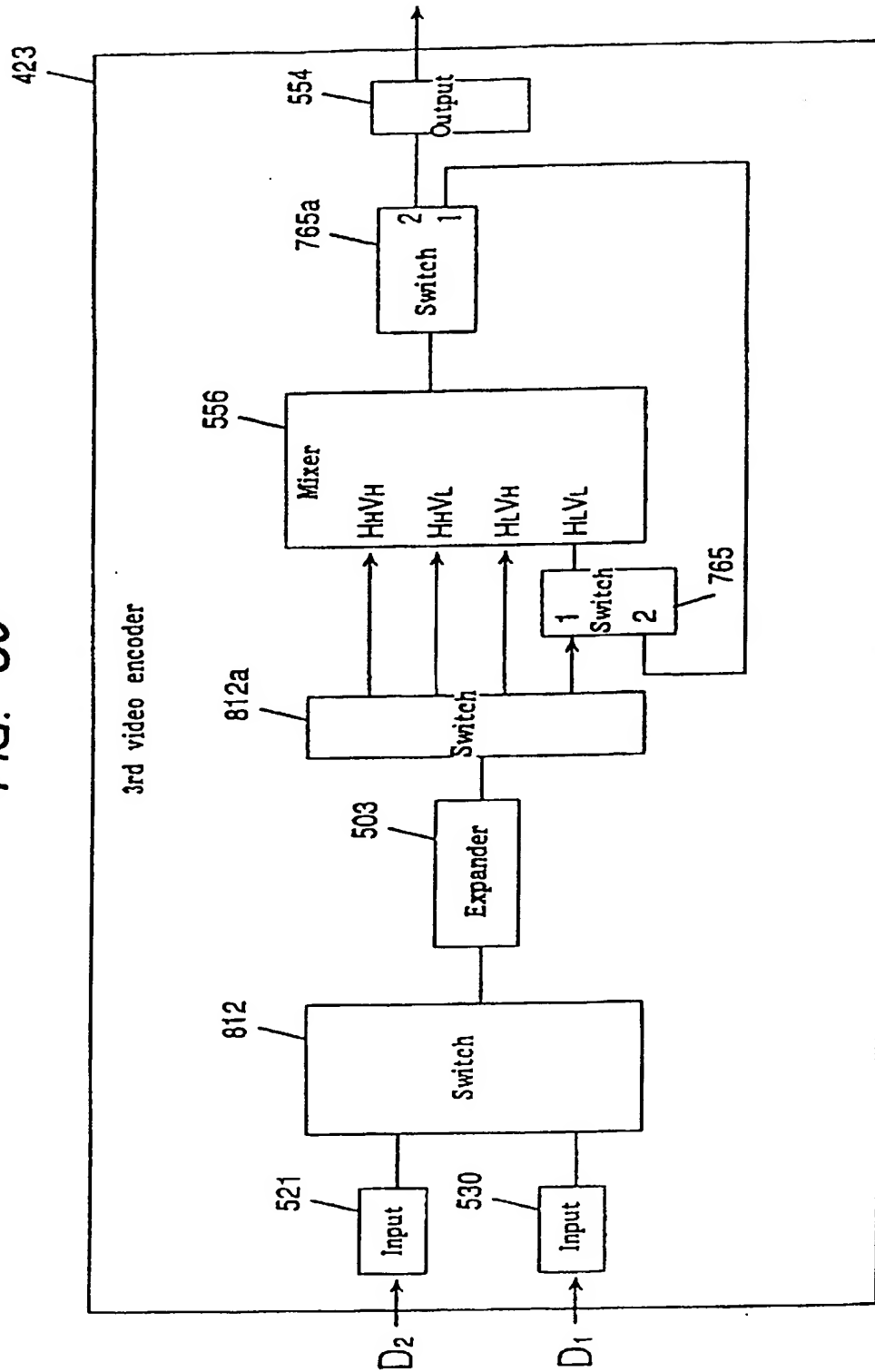


FIG. 81

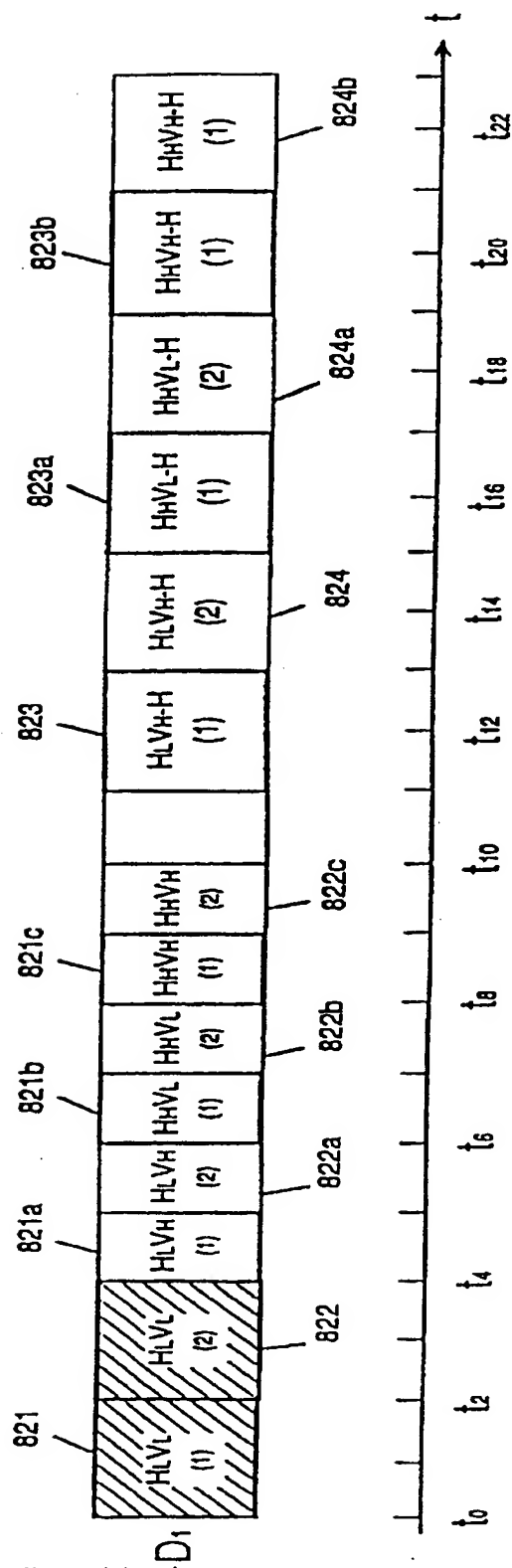


FIG. 82

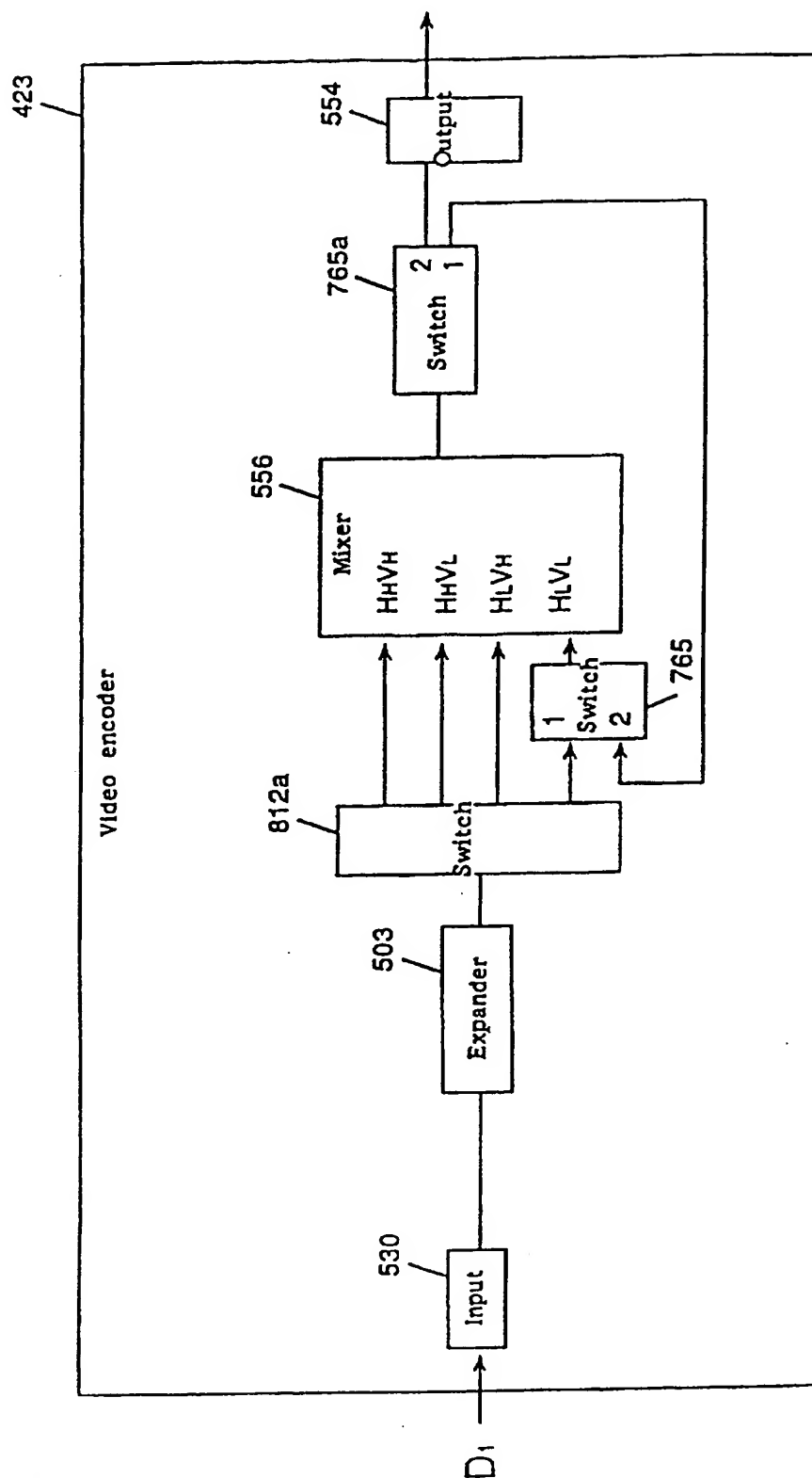


FIG. 83

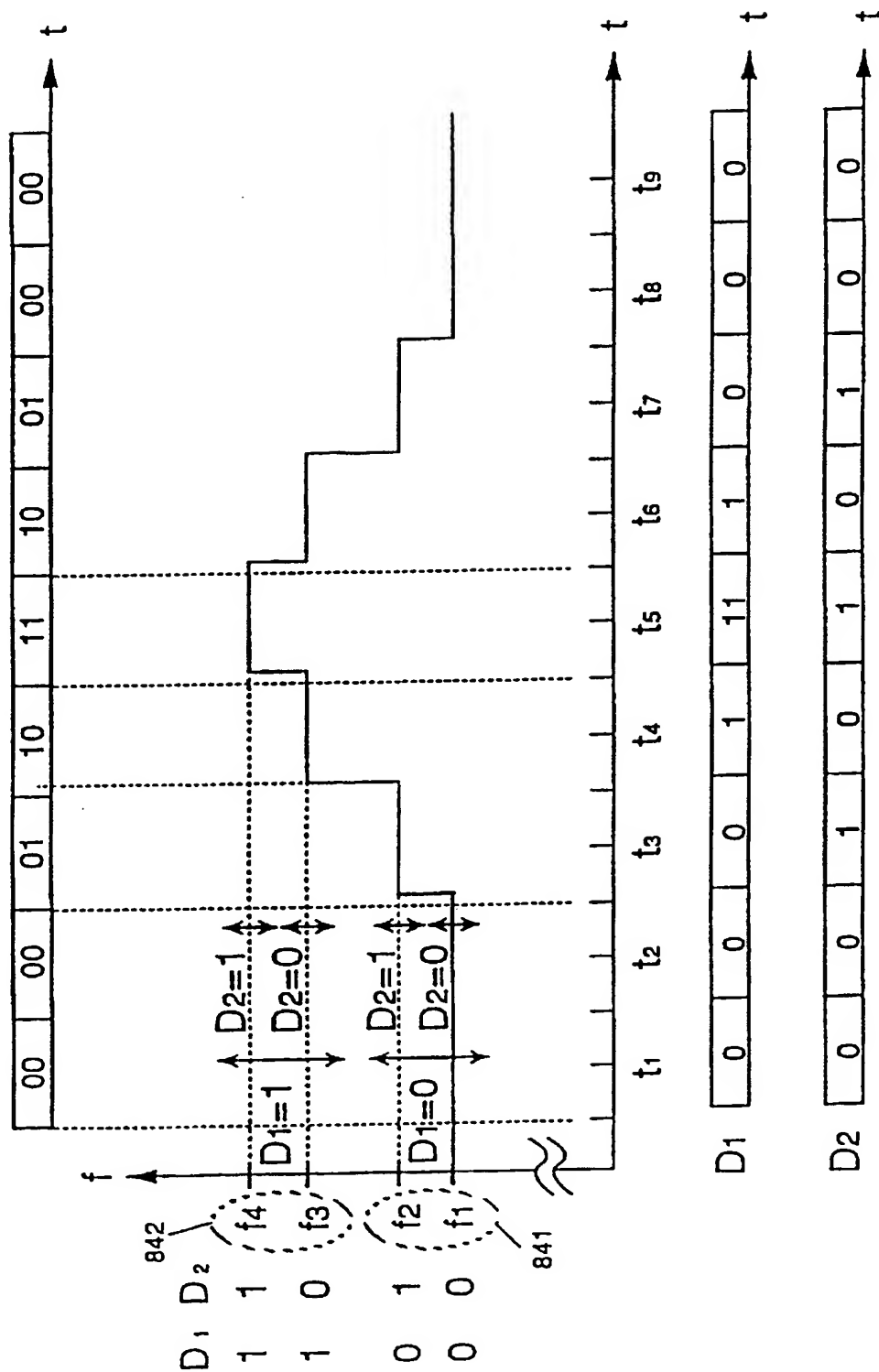


FIG. 84

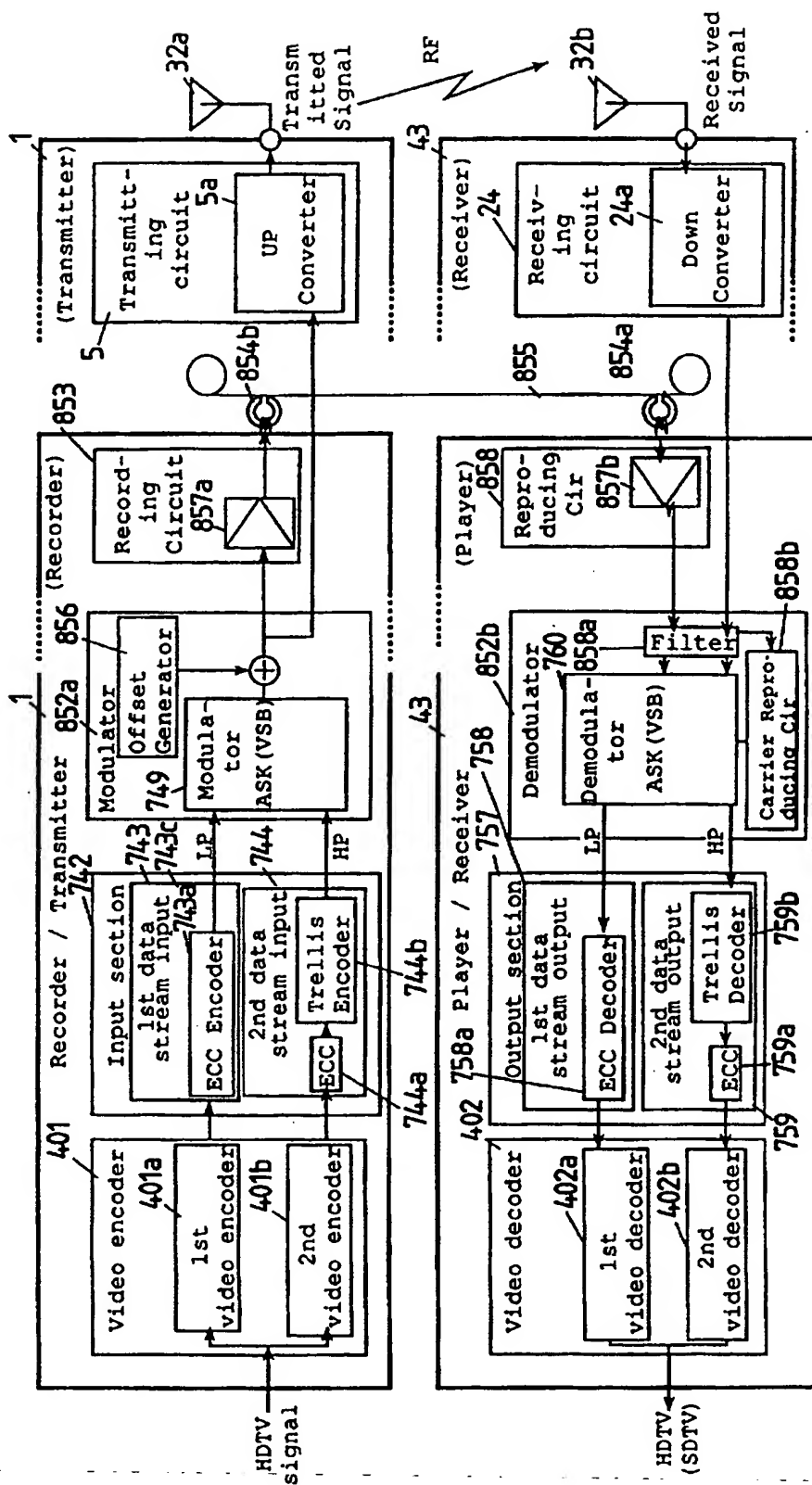
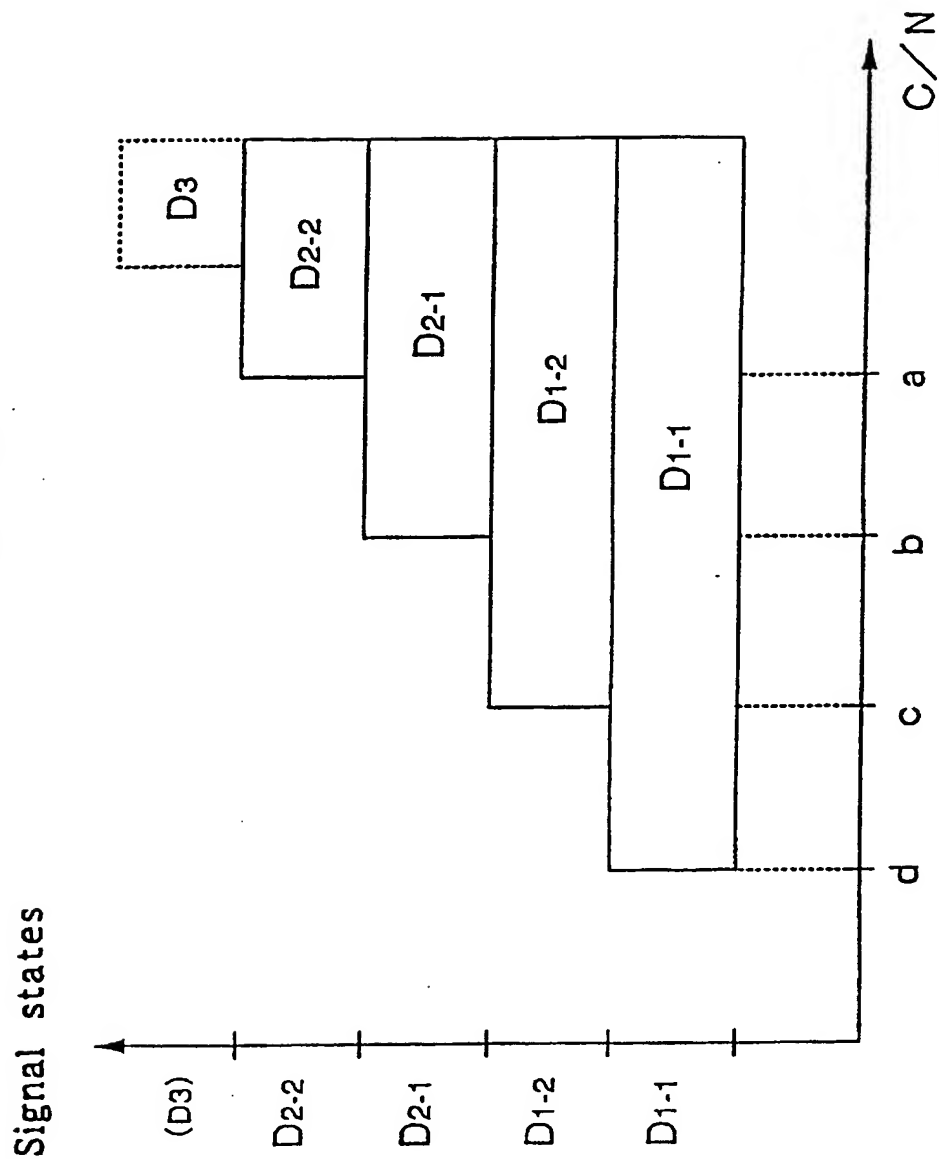




FIG. 85



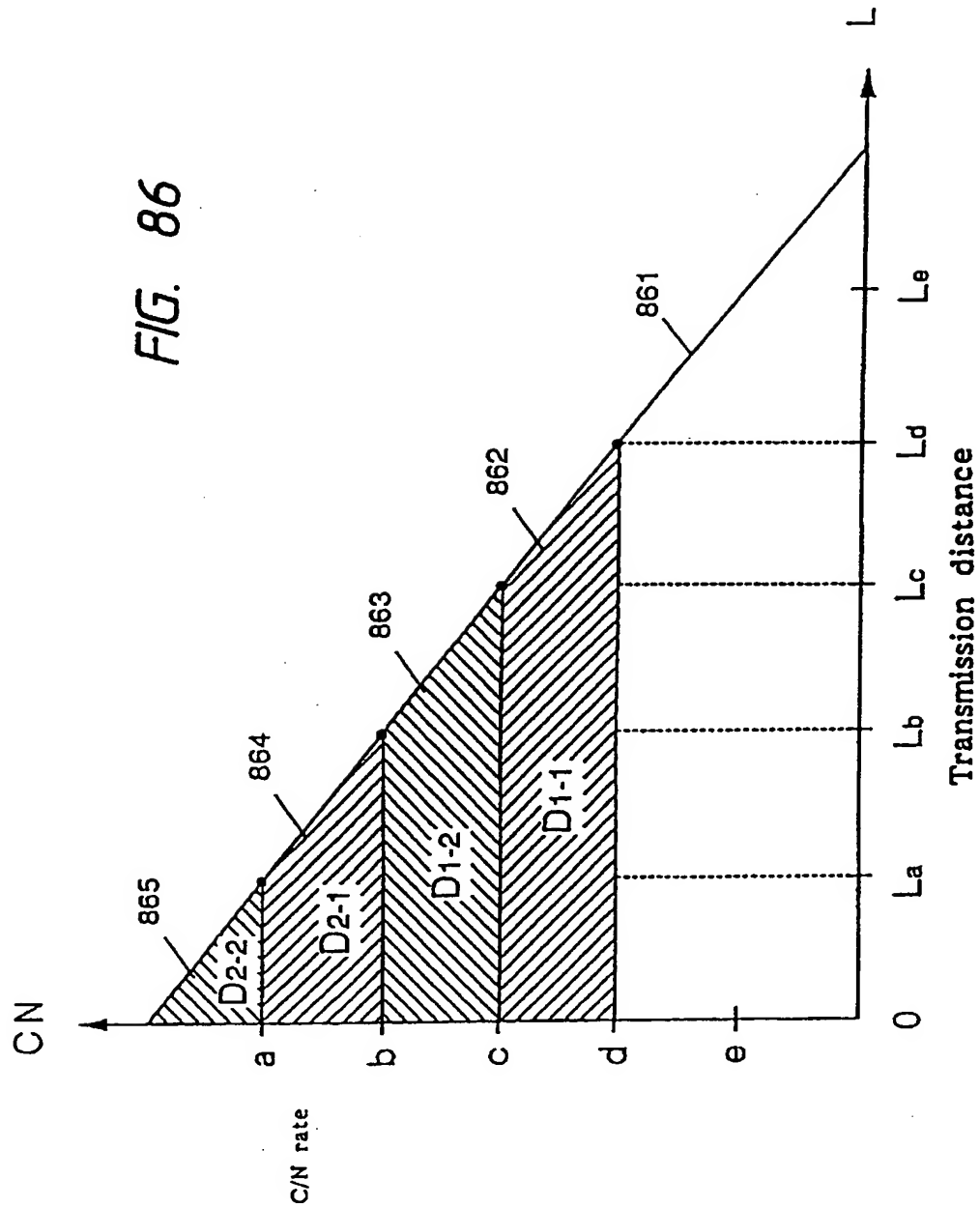


FIG. 87

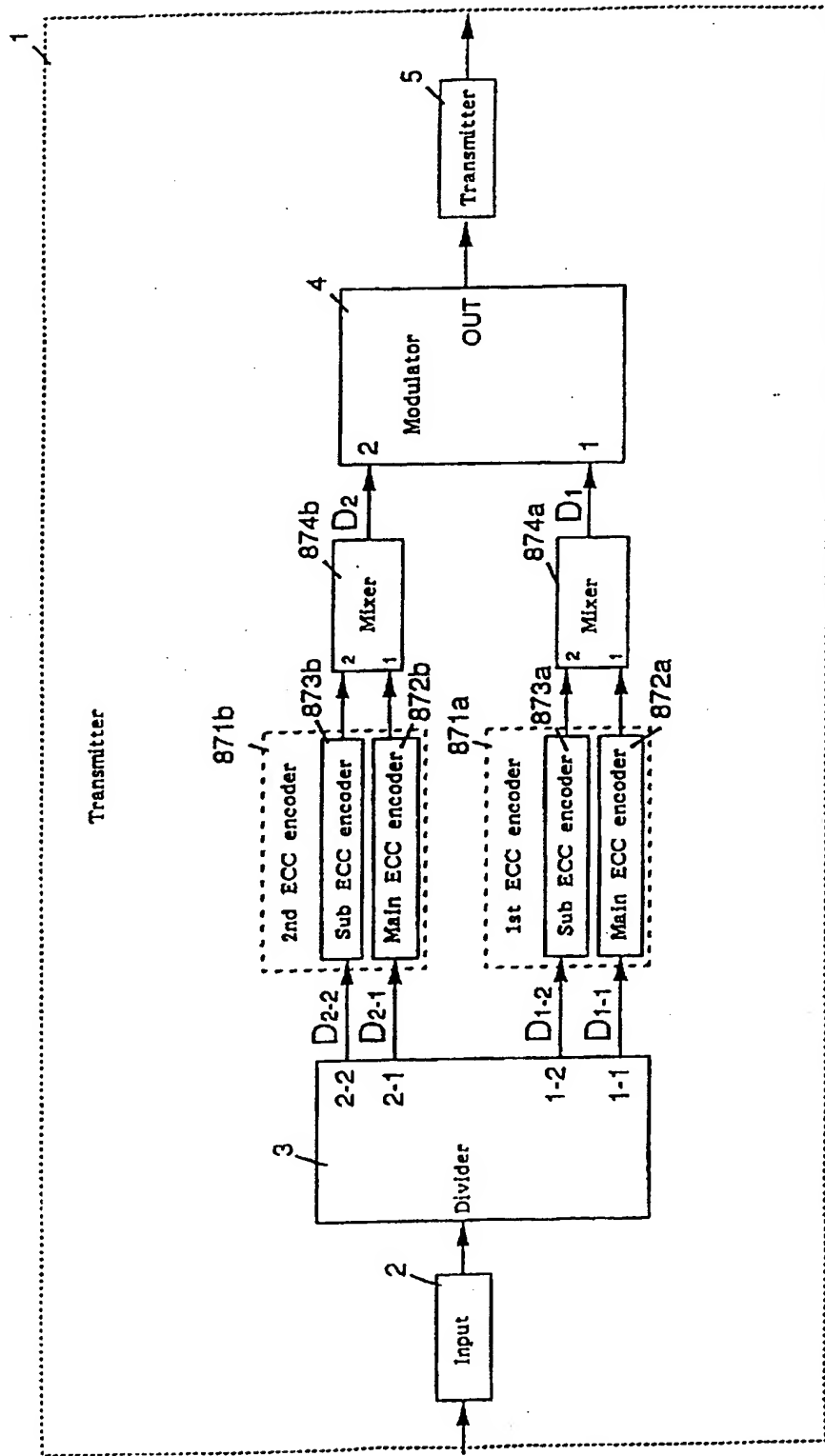
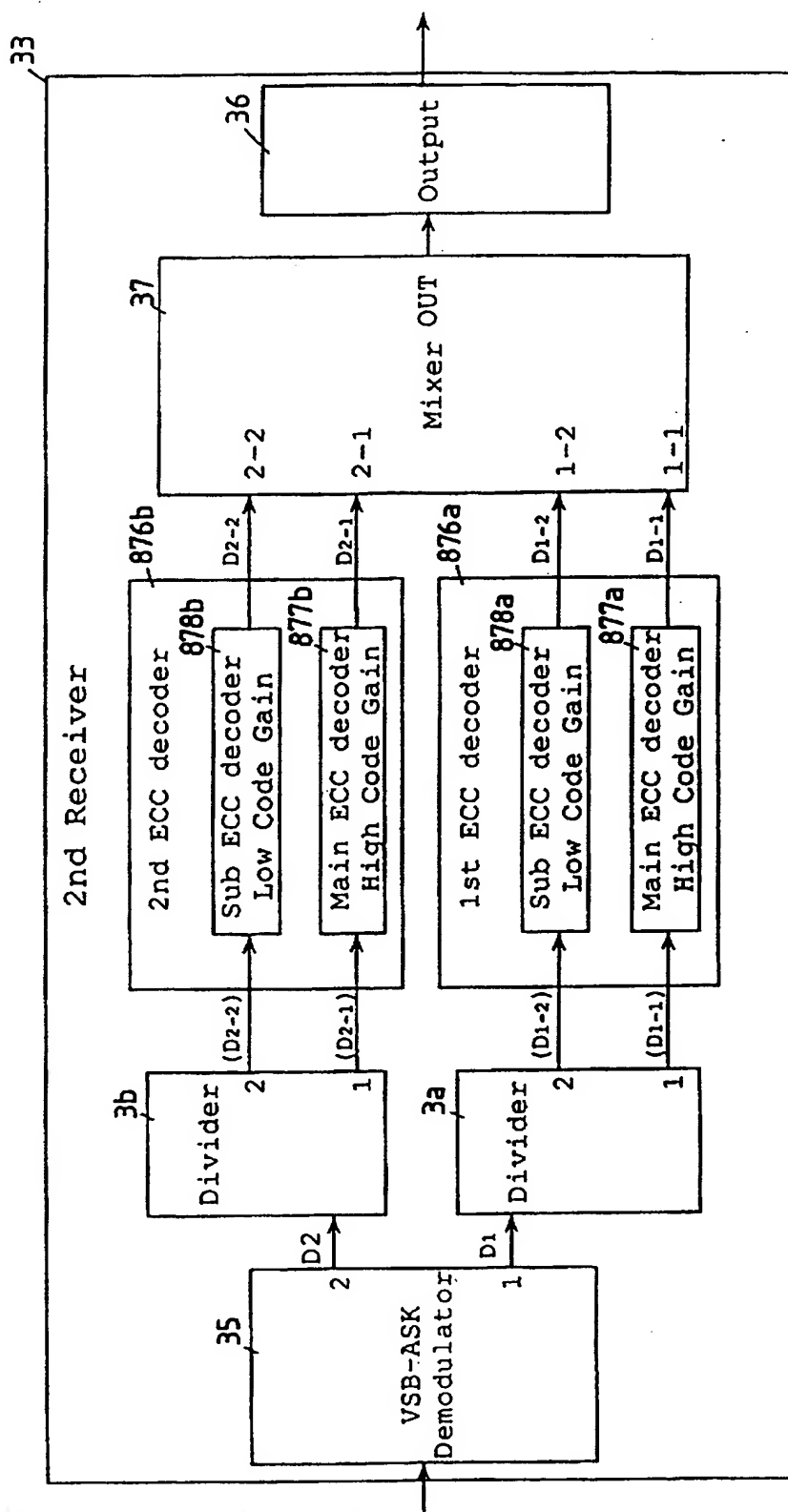


FIG. 88



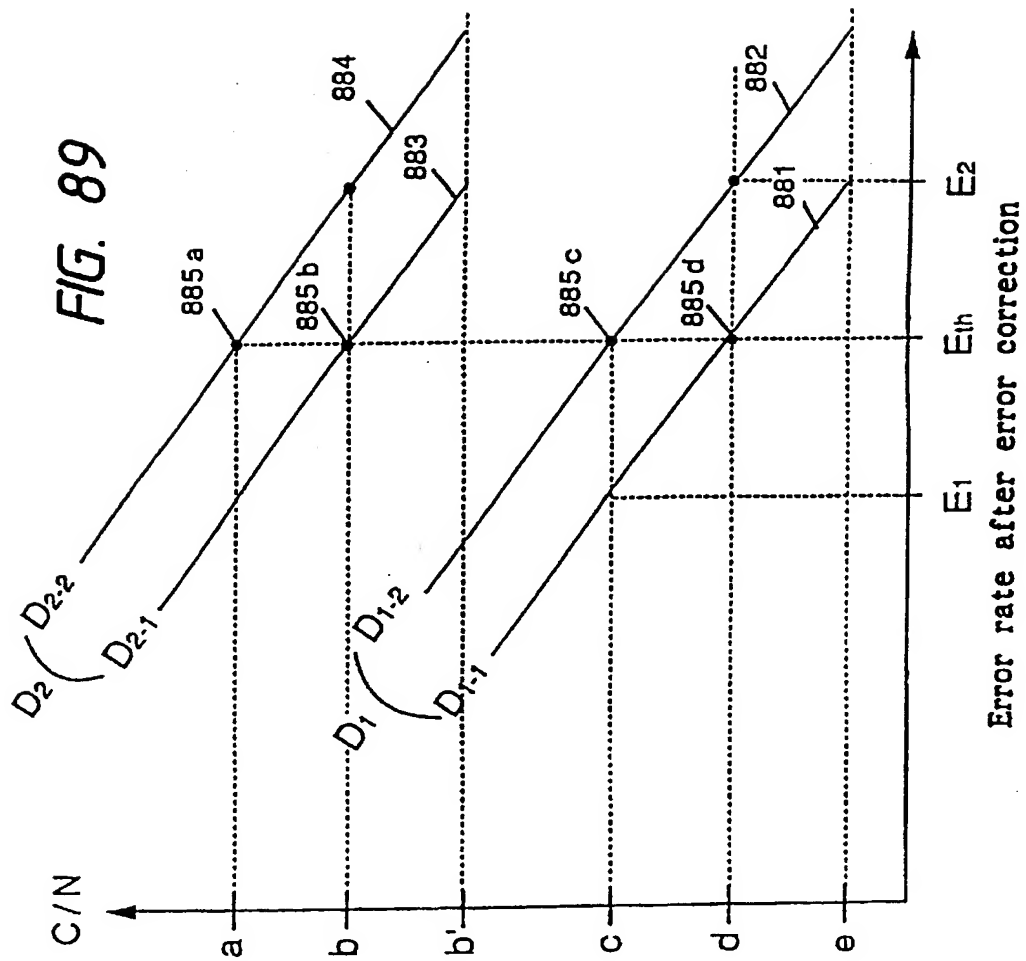


FIG. 90

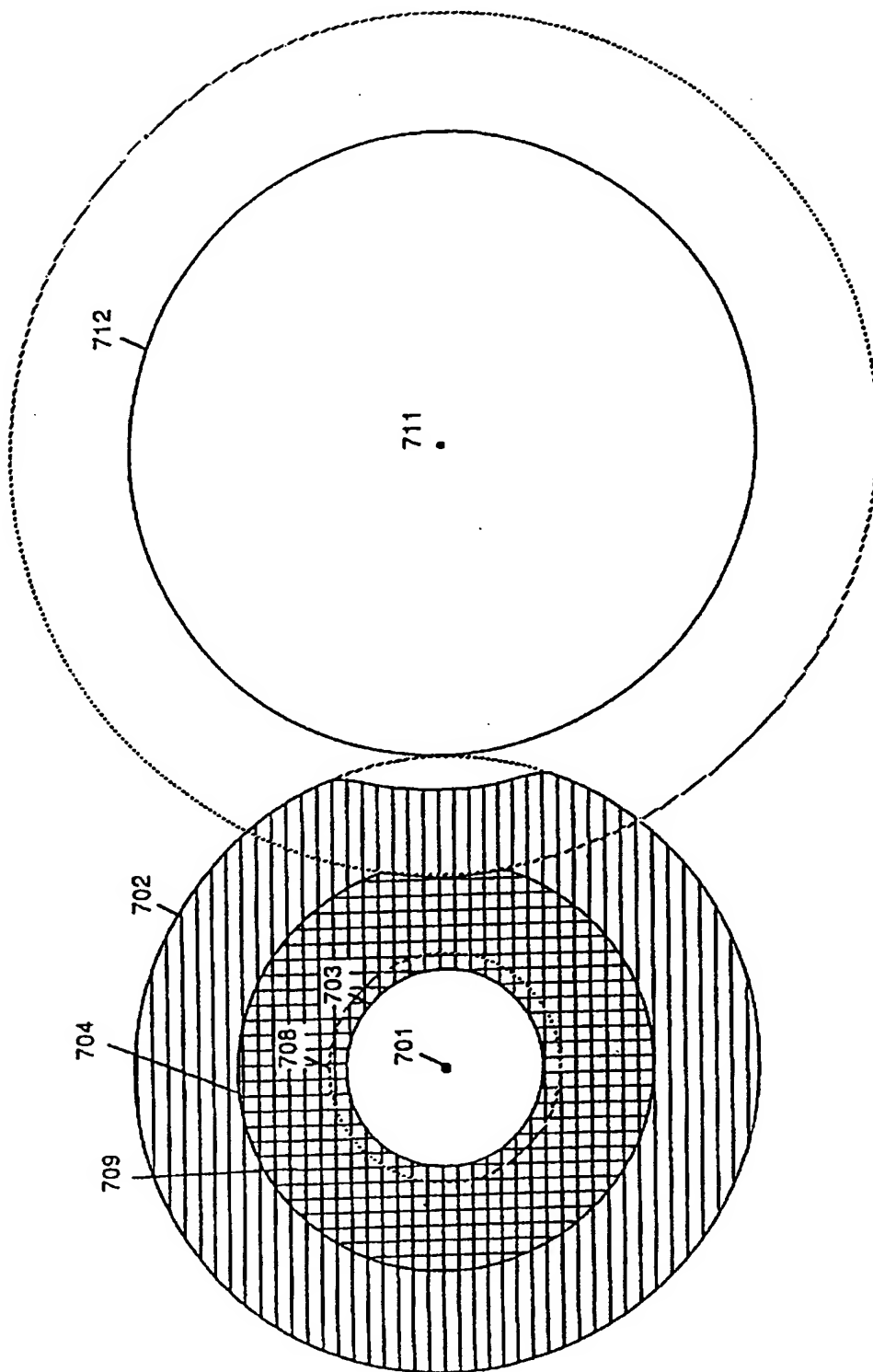
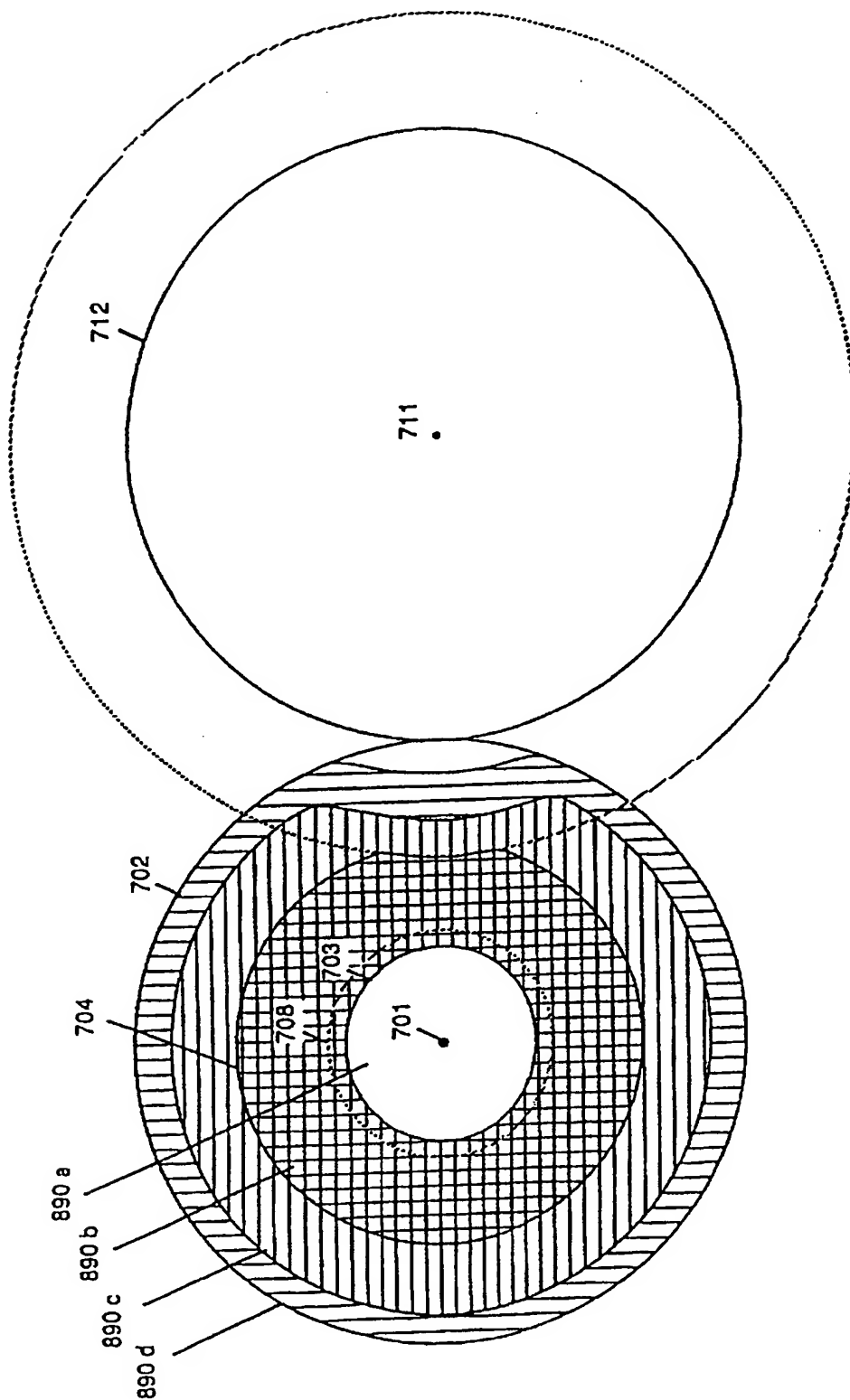


FIG. 91



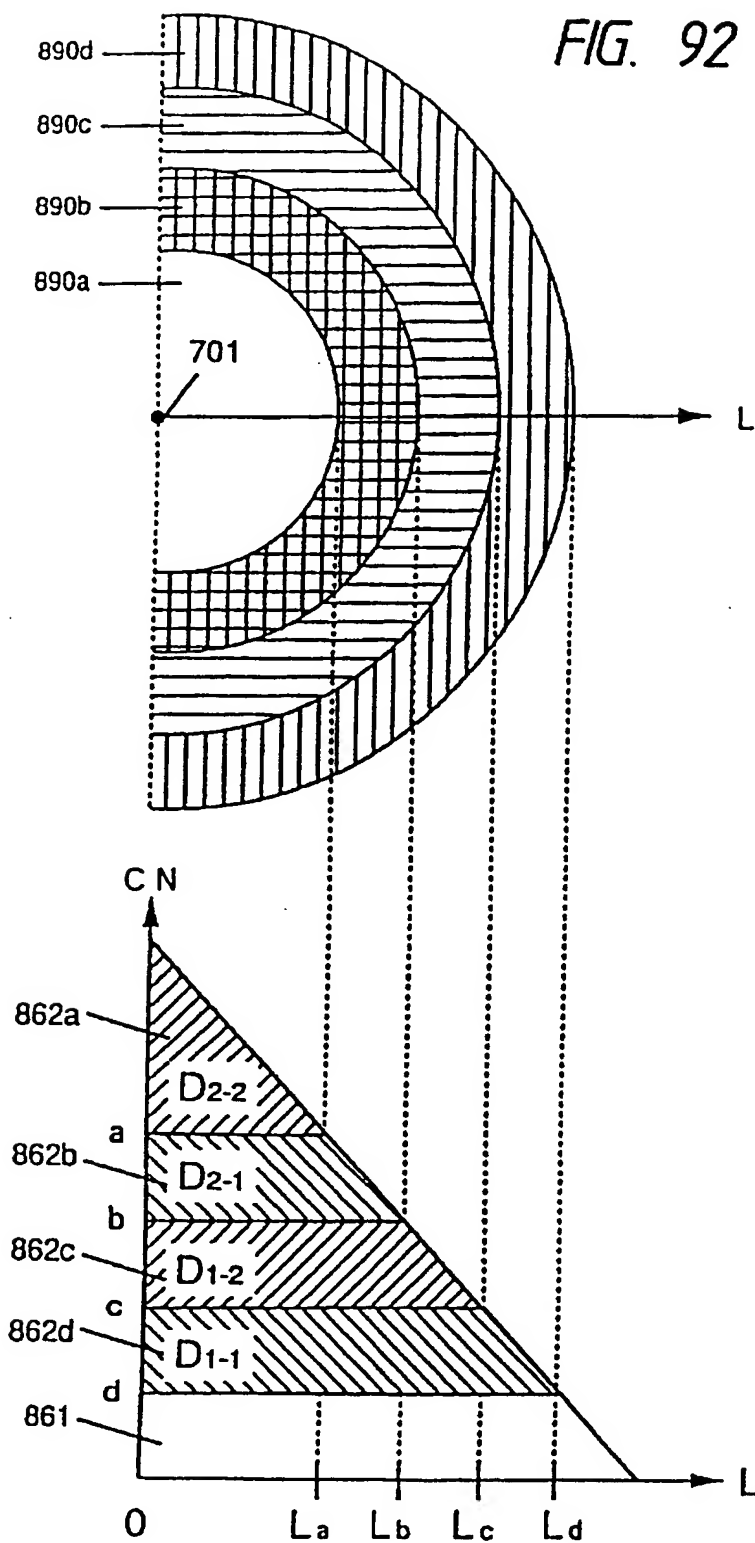




FIG. 93

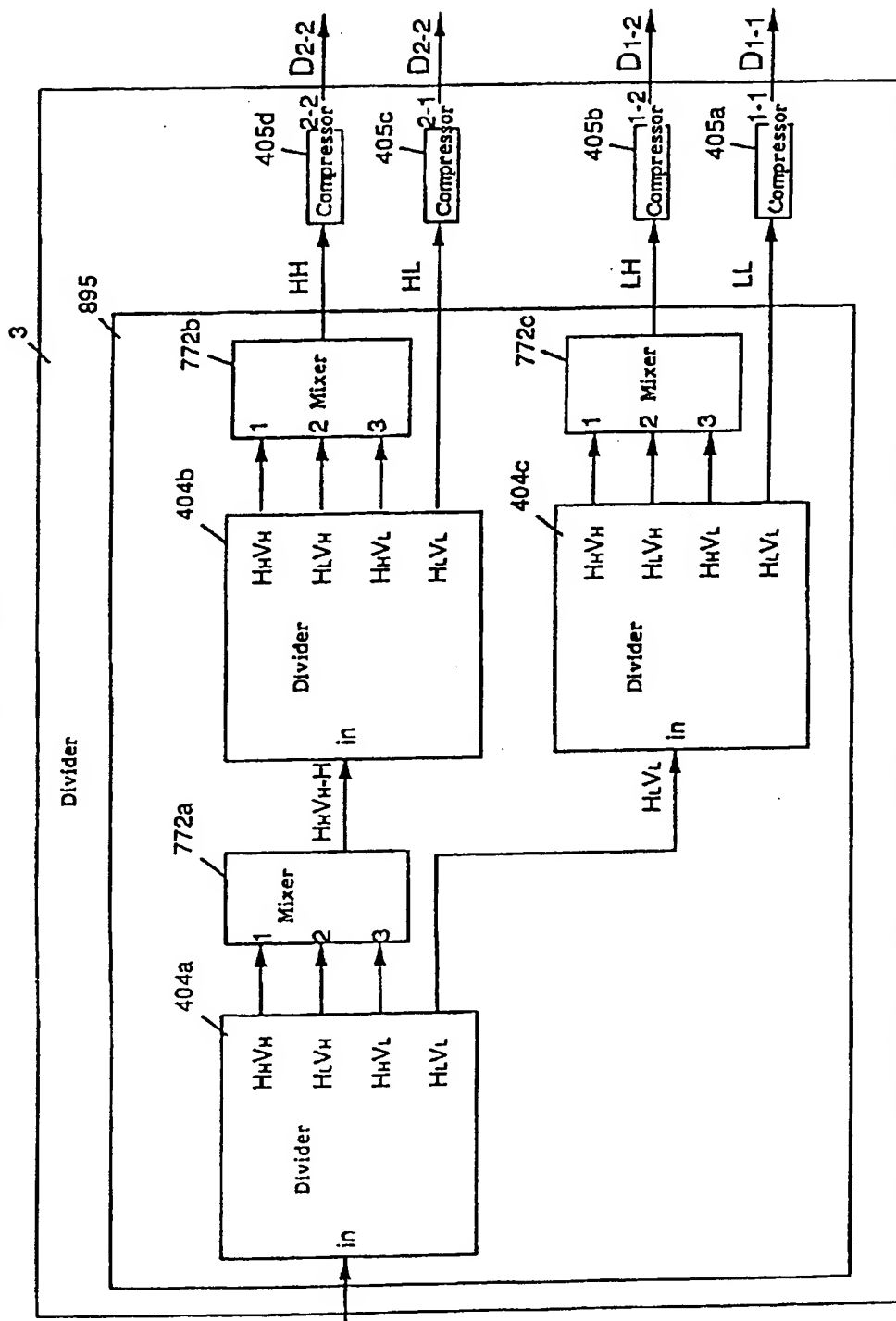
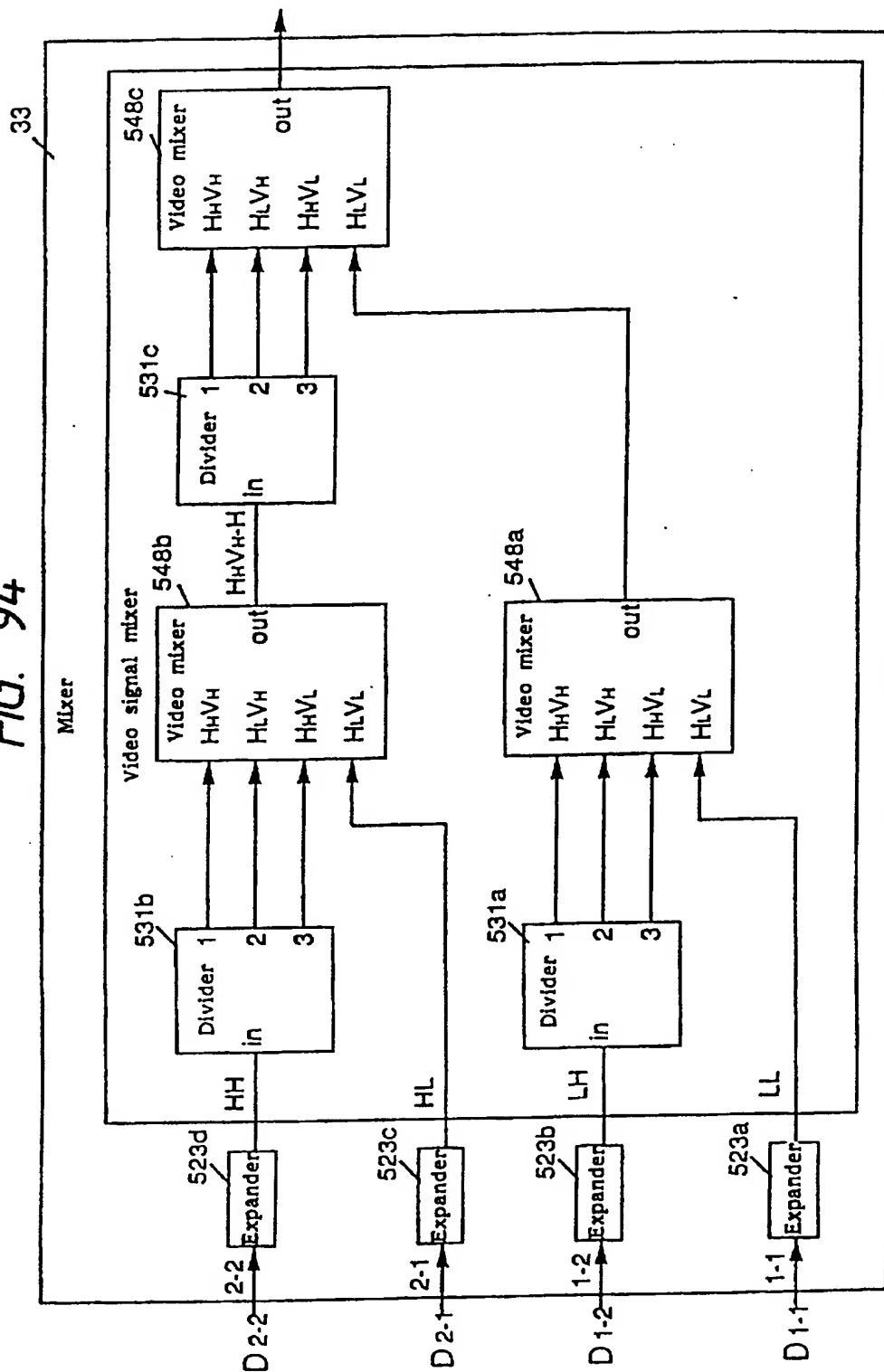


FIG. 94



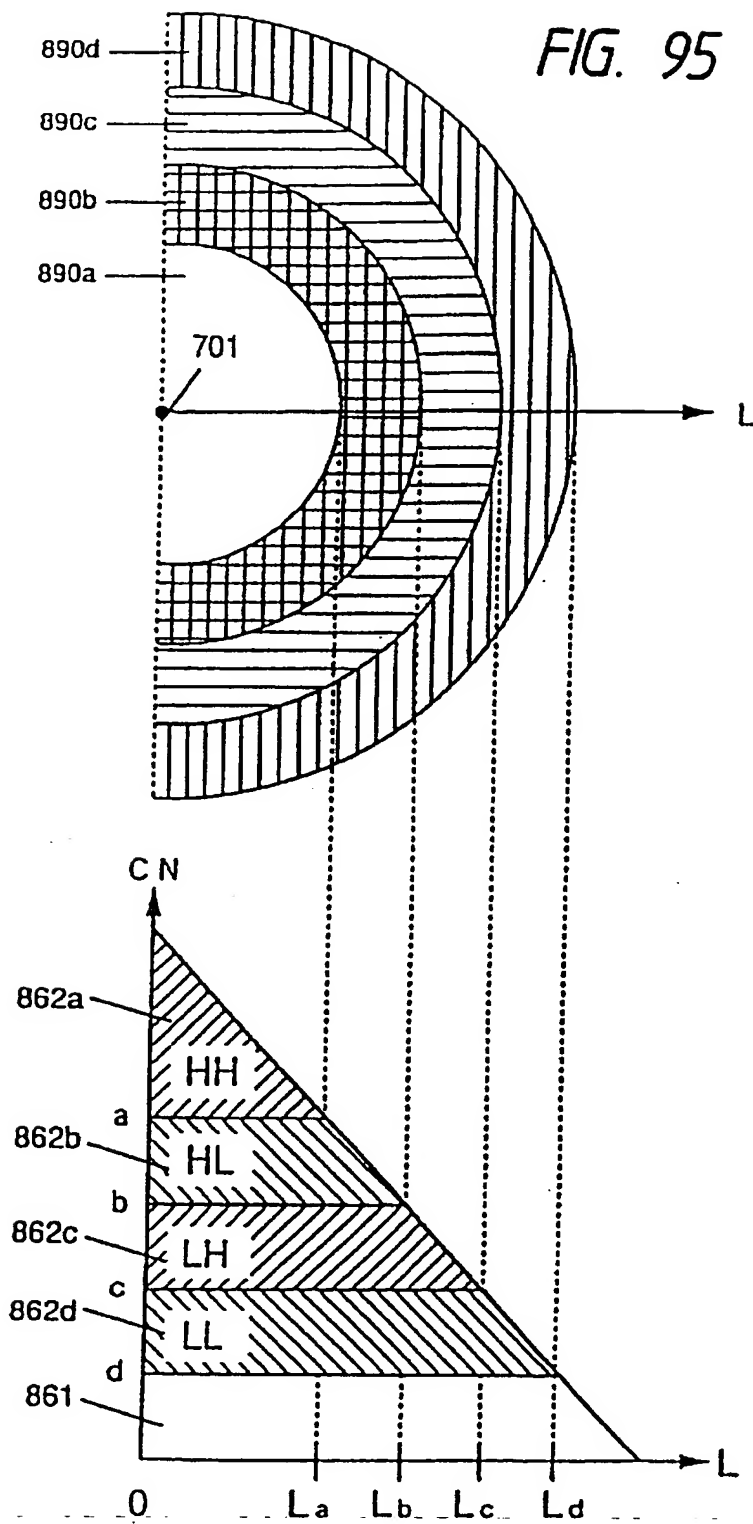


FIG. 96

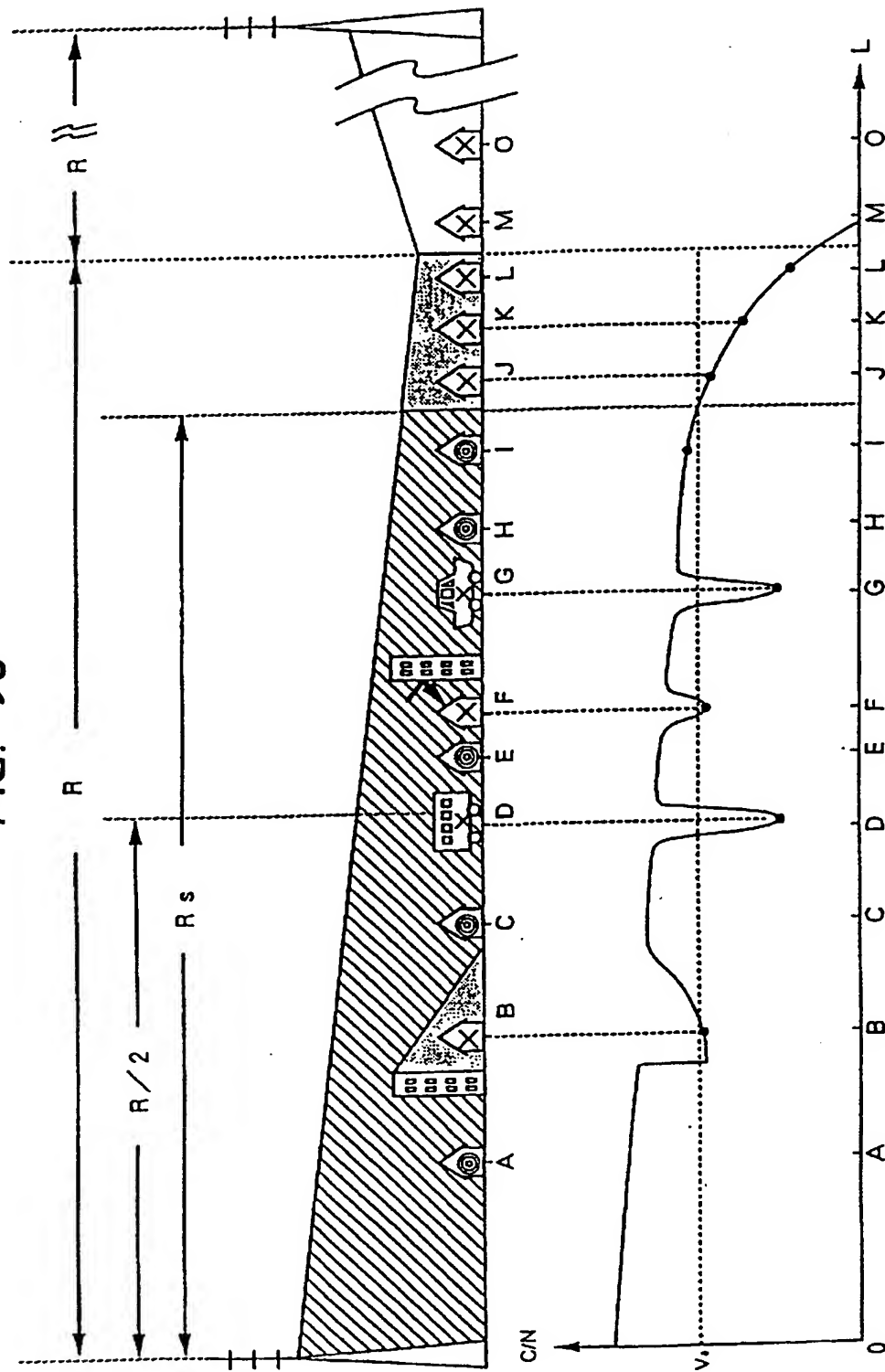
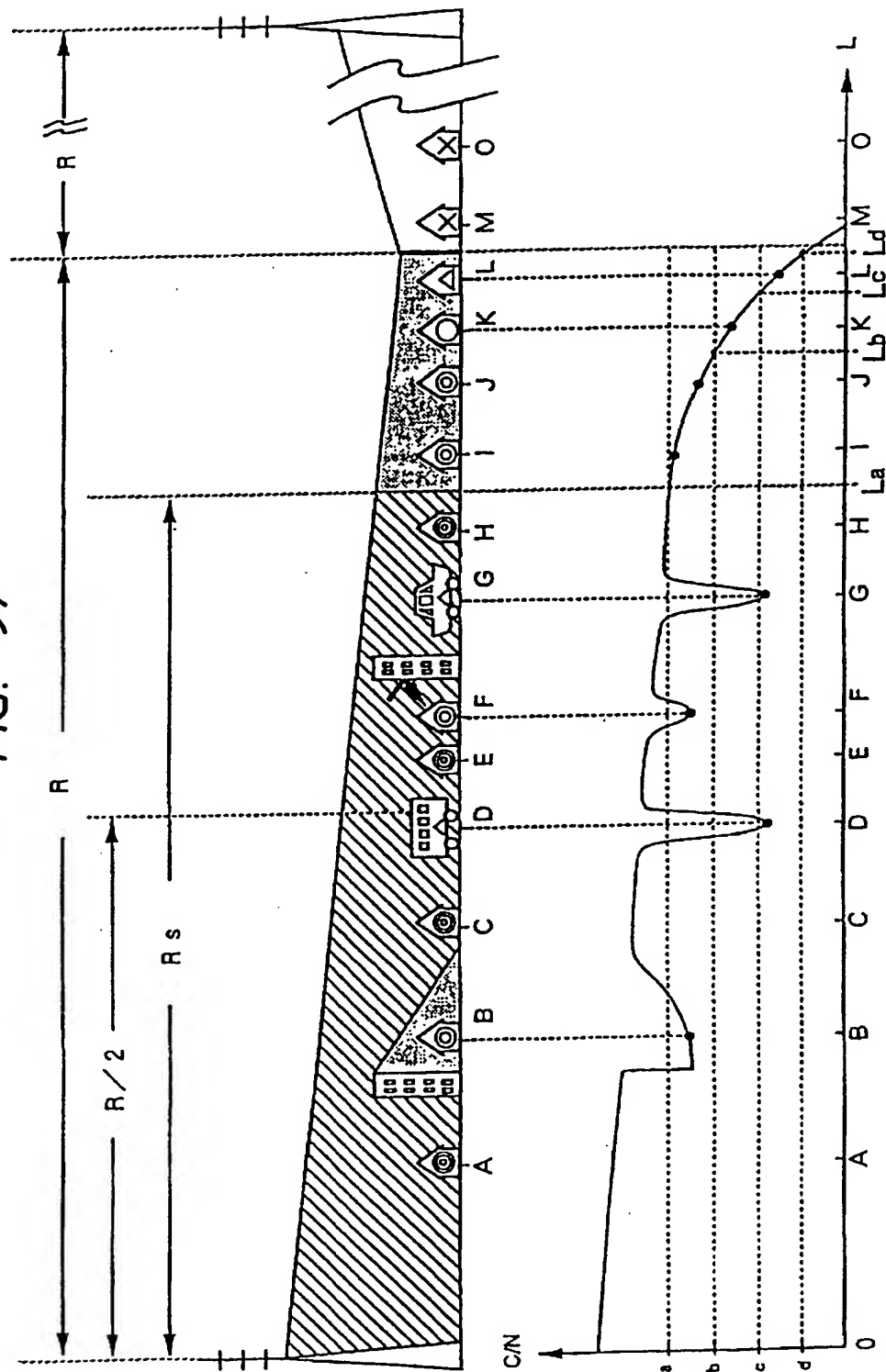
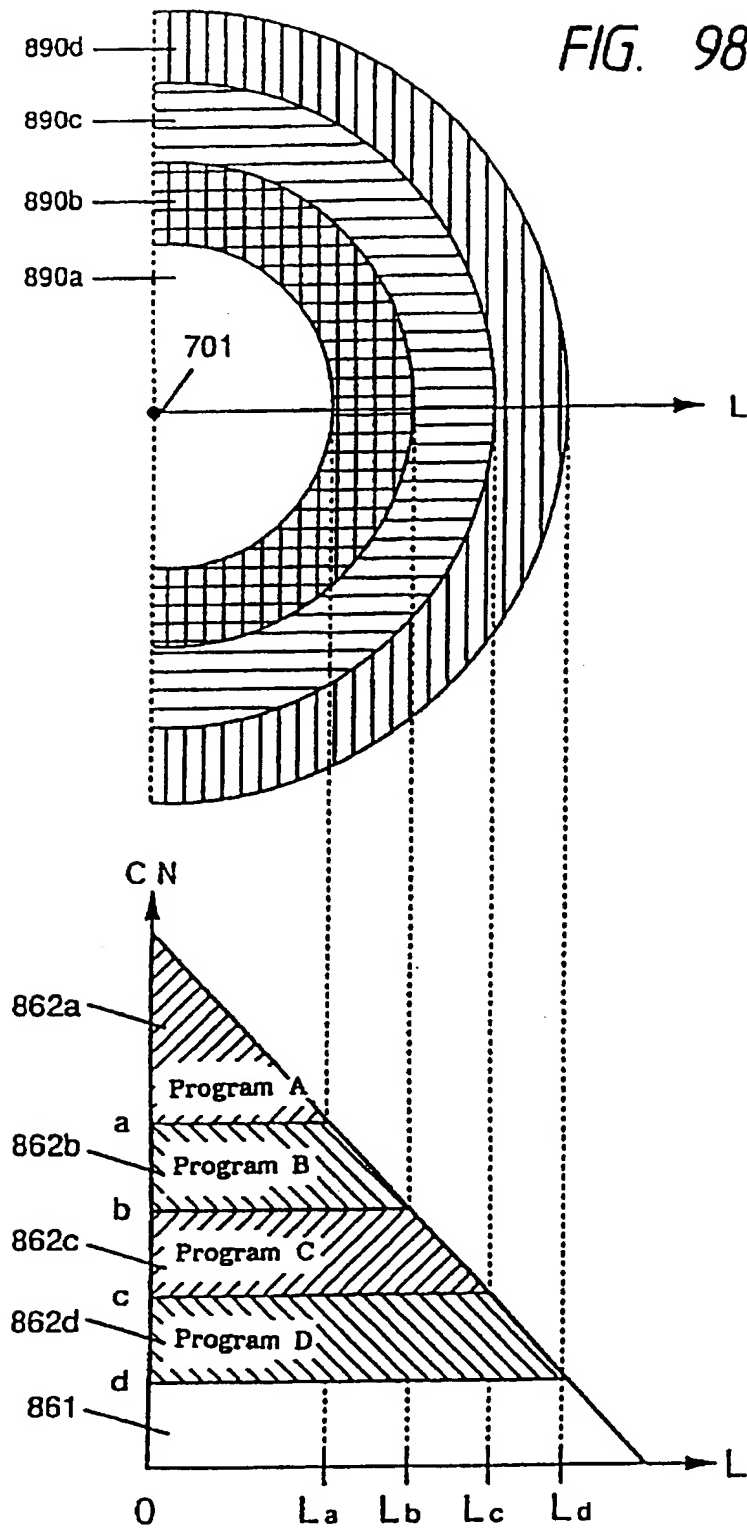


FIG. 97





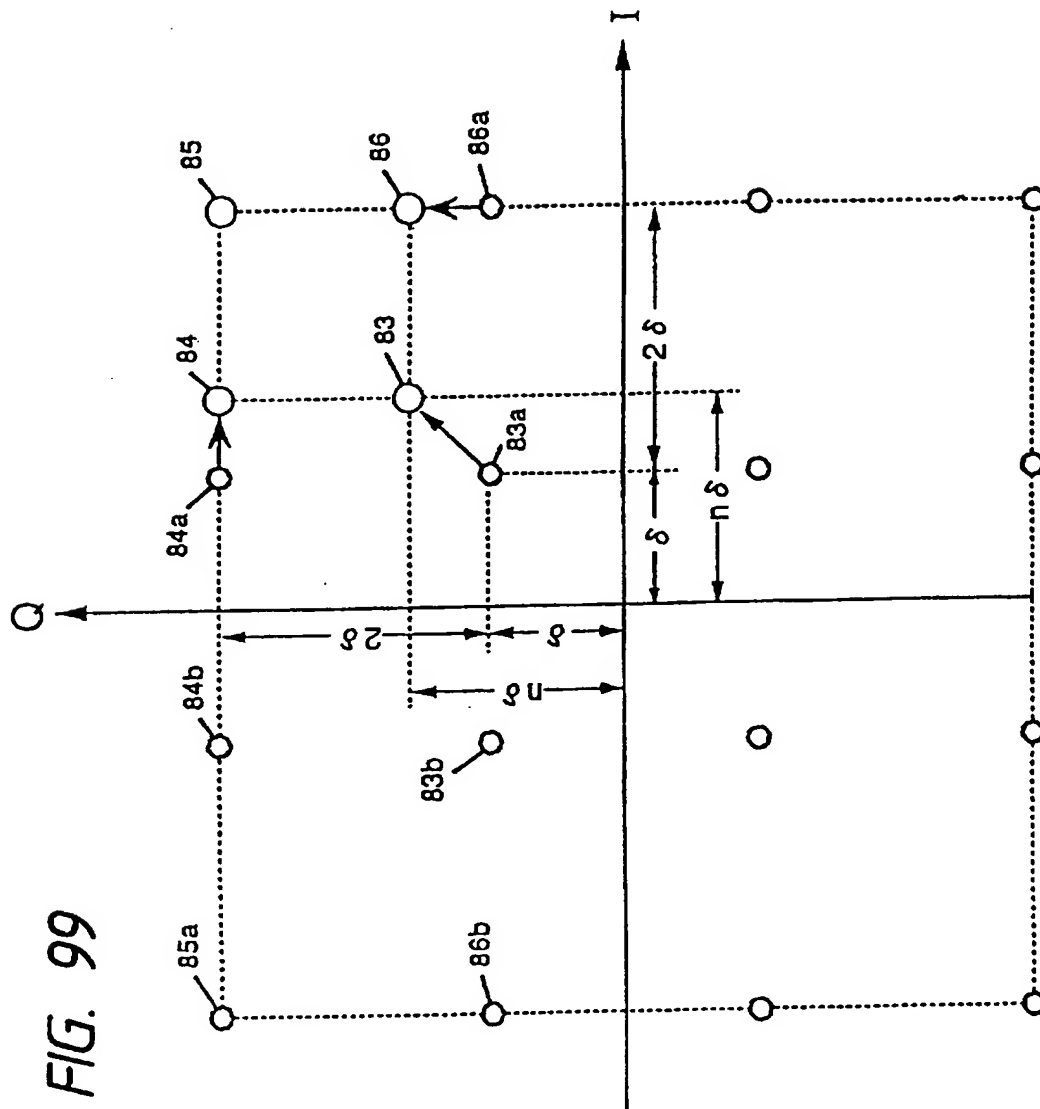


FIG. 100

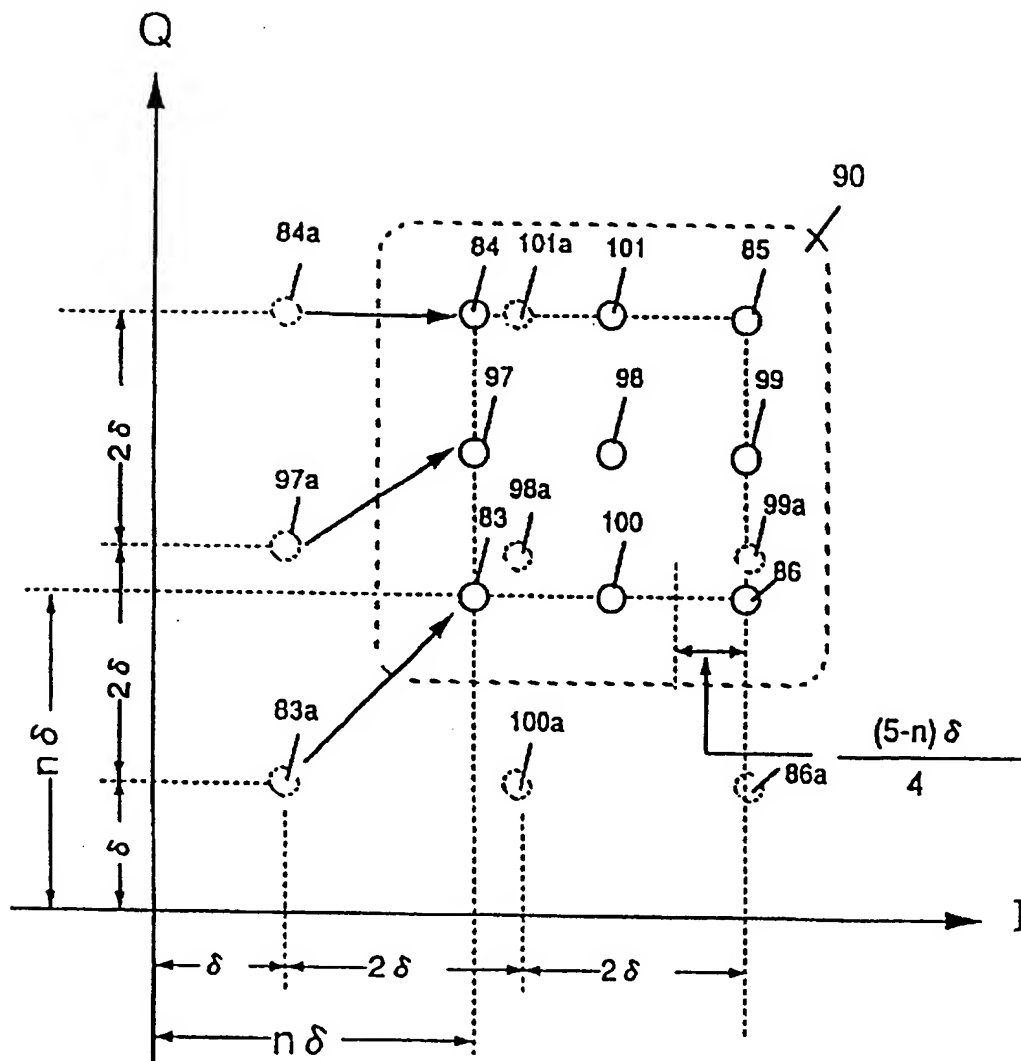




FIG. 101

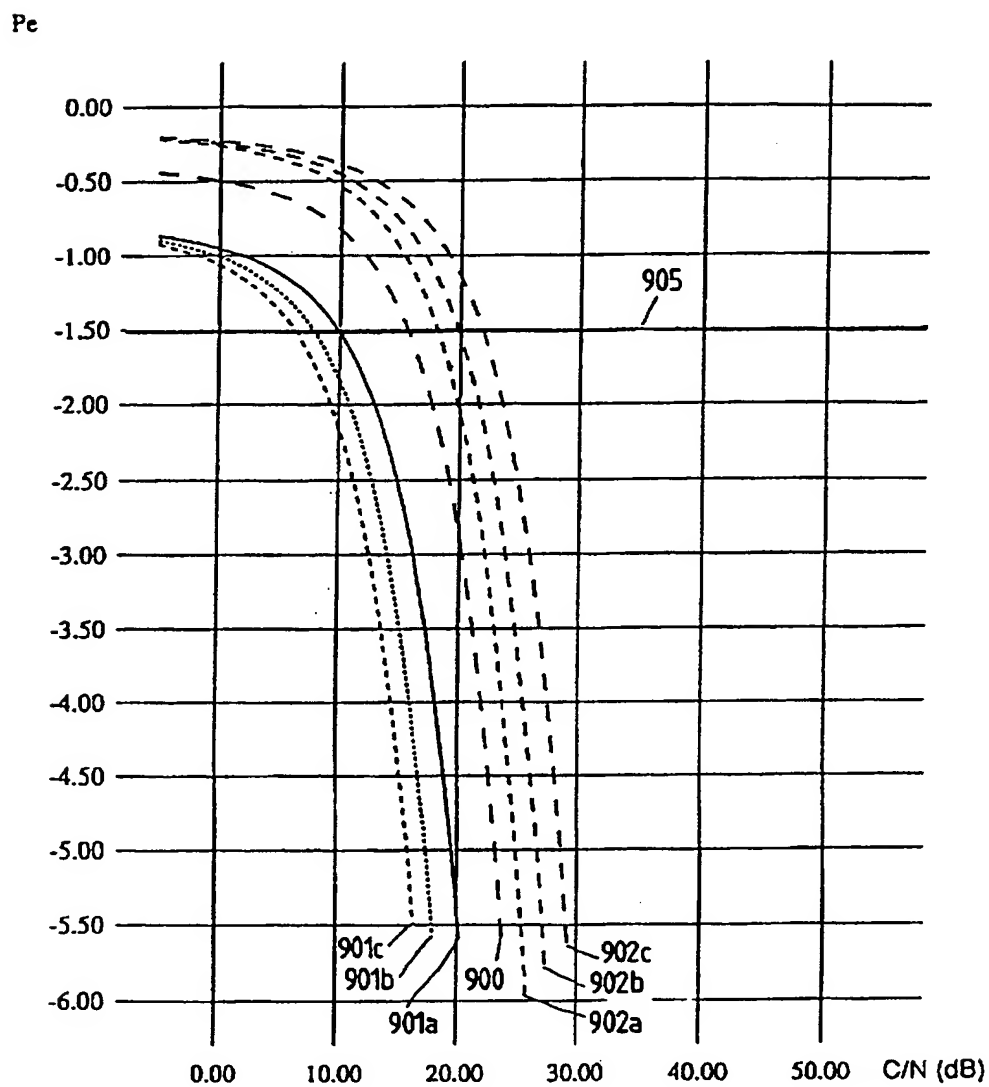


FIG. 102

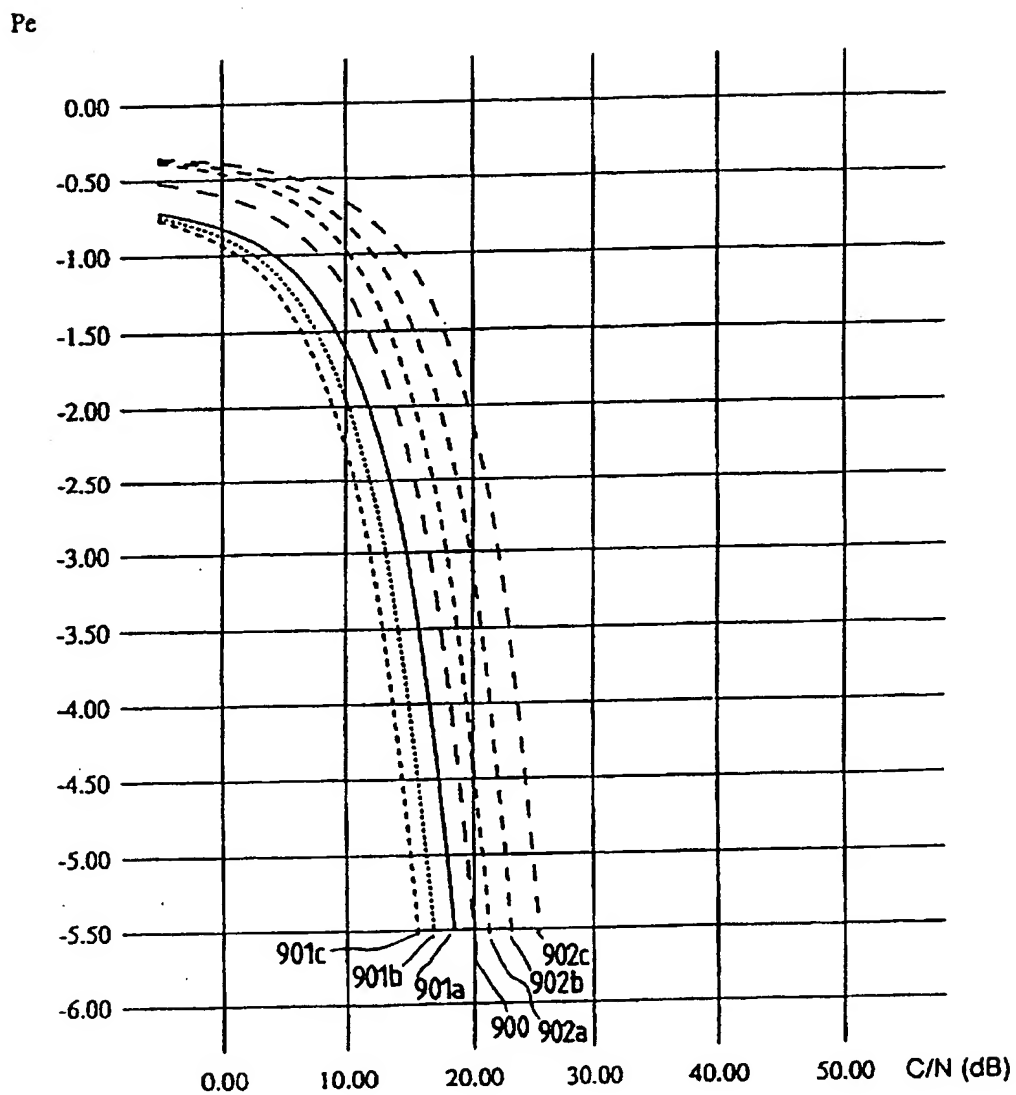


FIG. 103

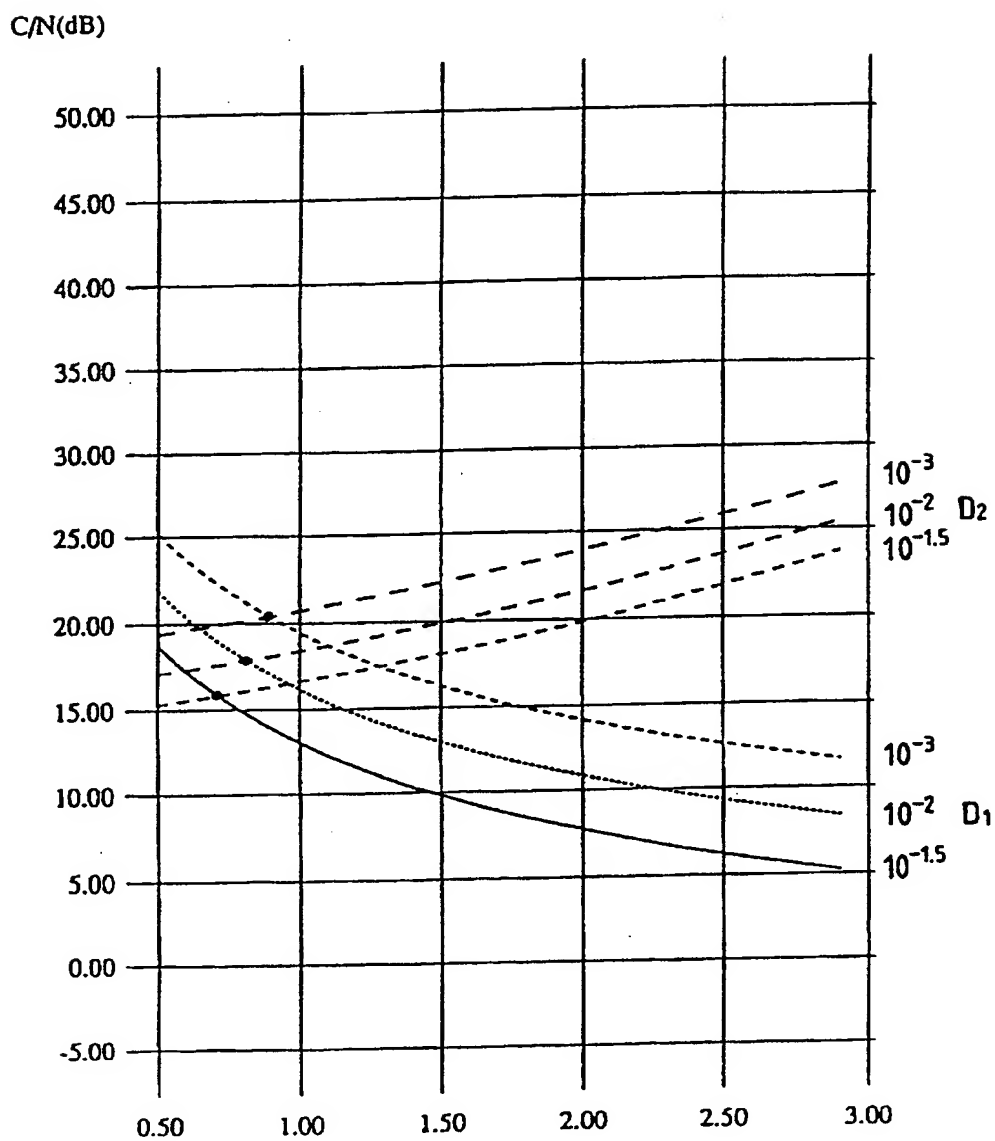


FIG. 104

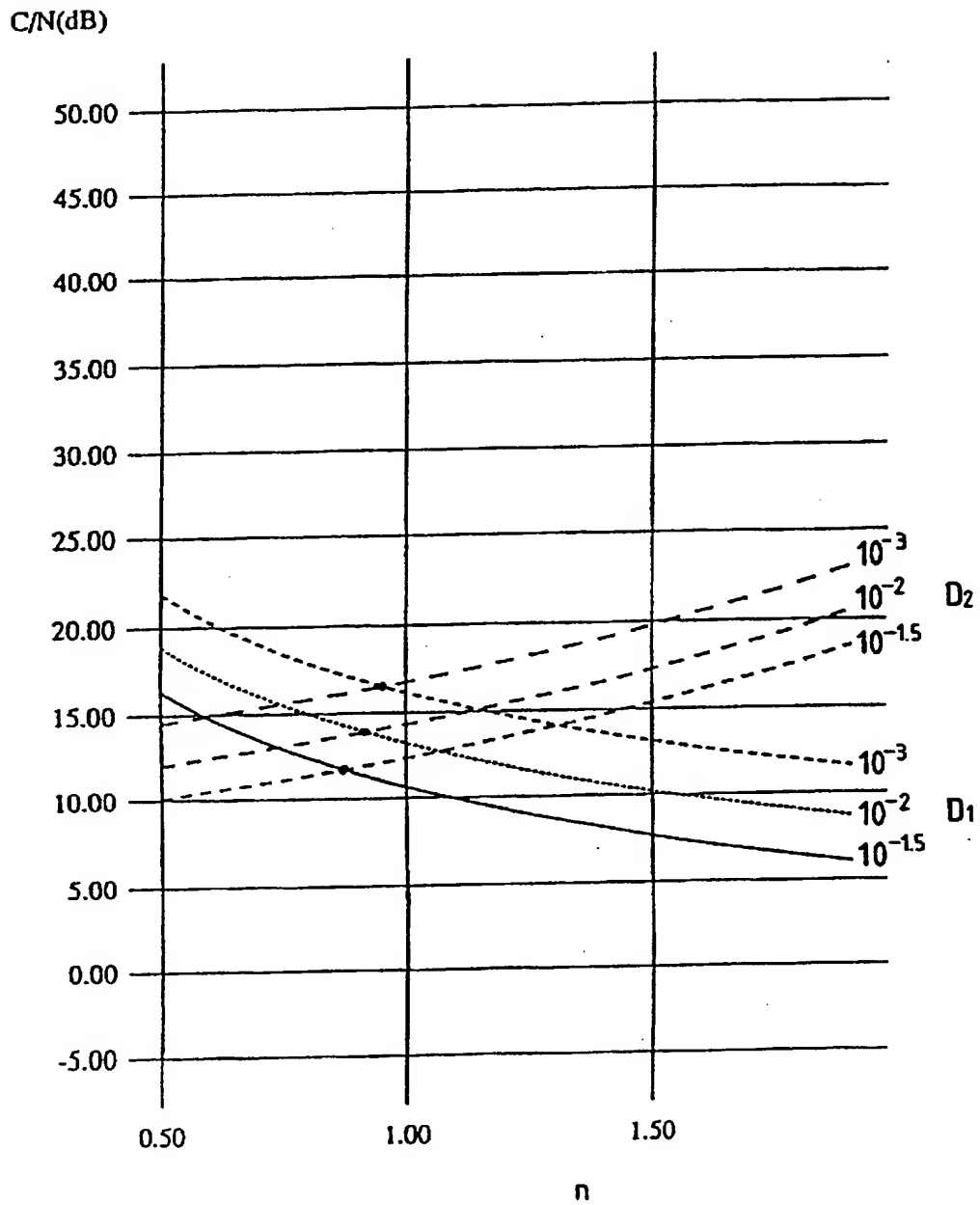


FIG. 105

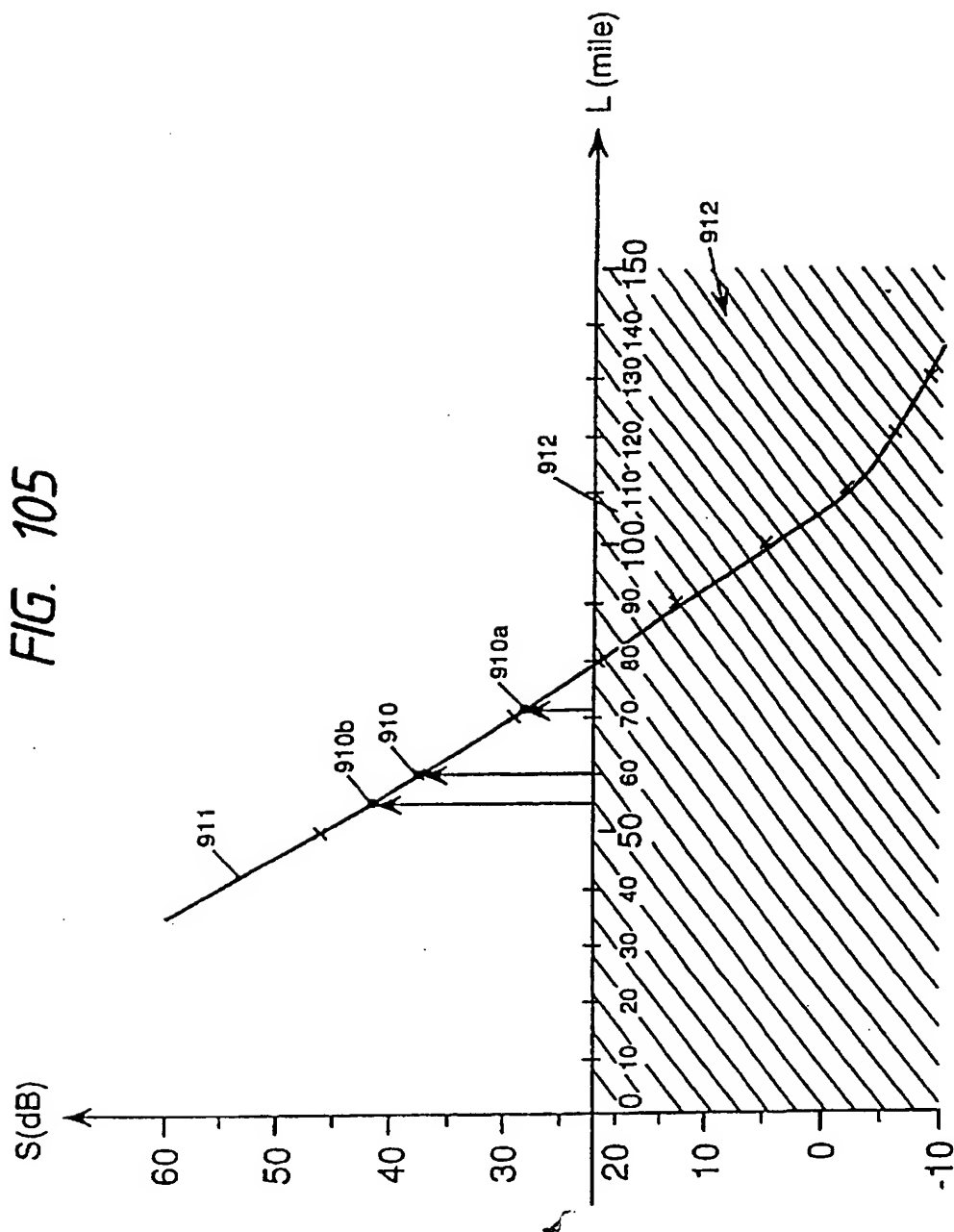


FIG. 106

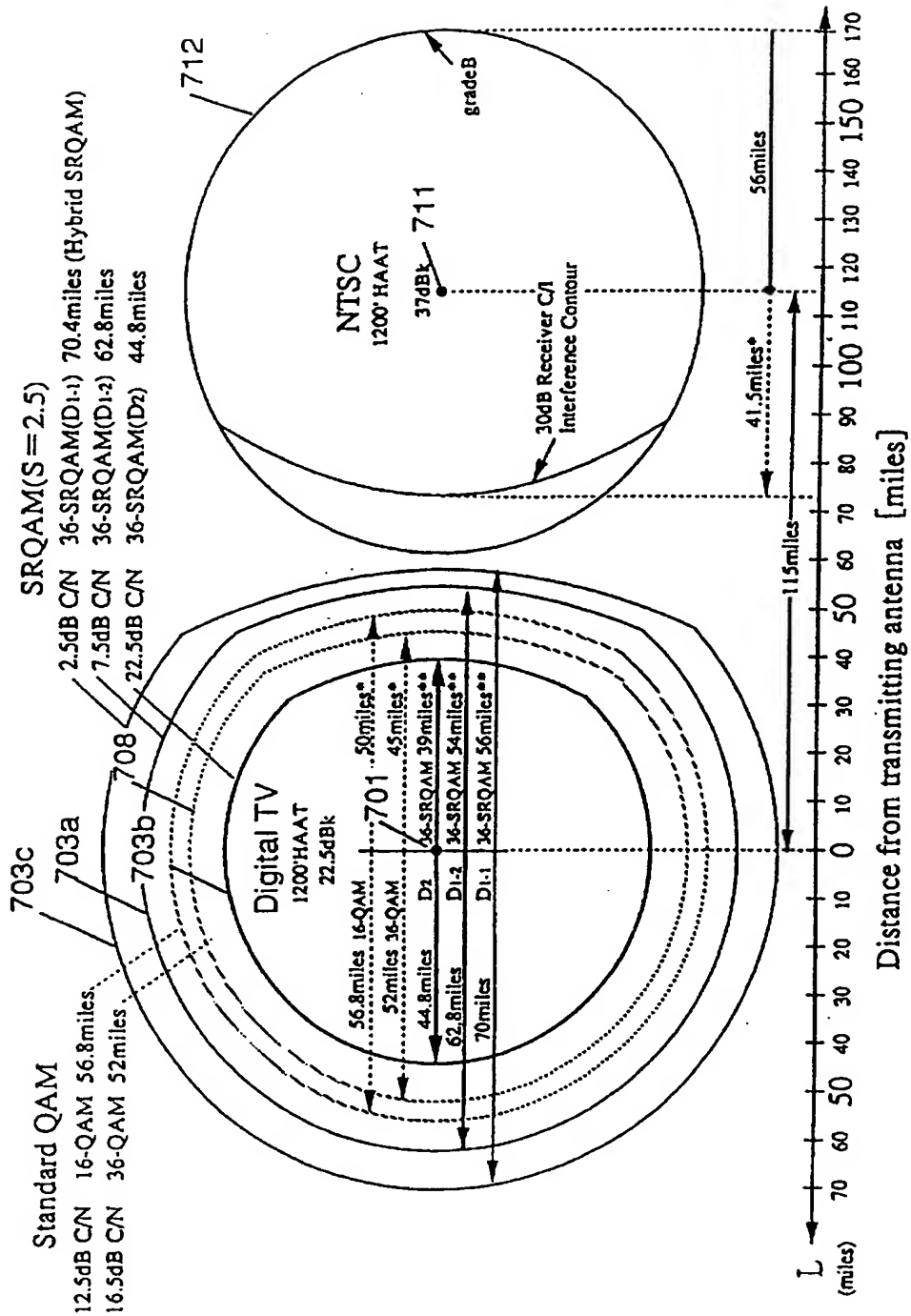
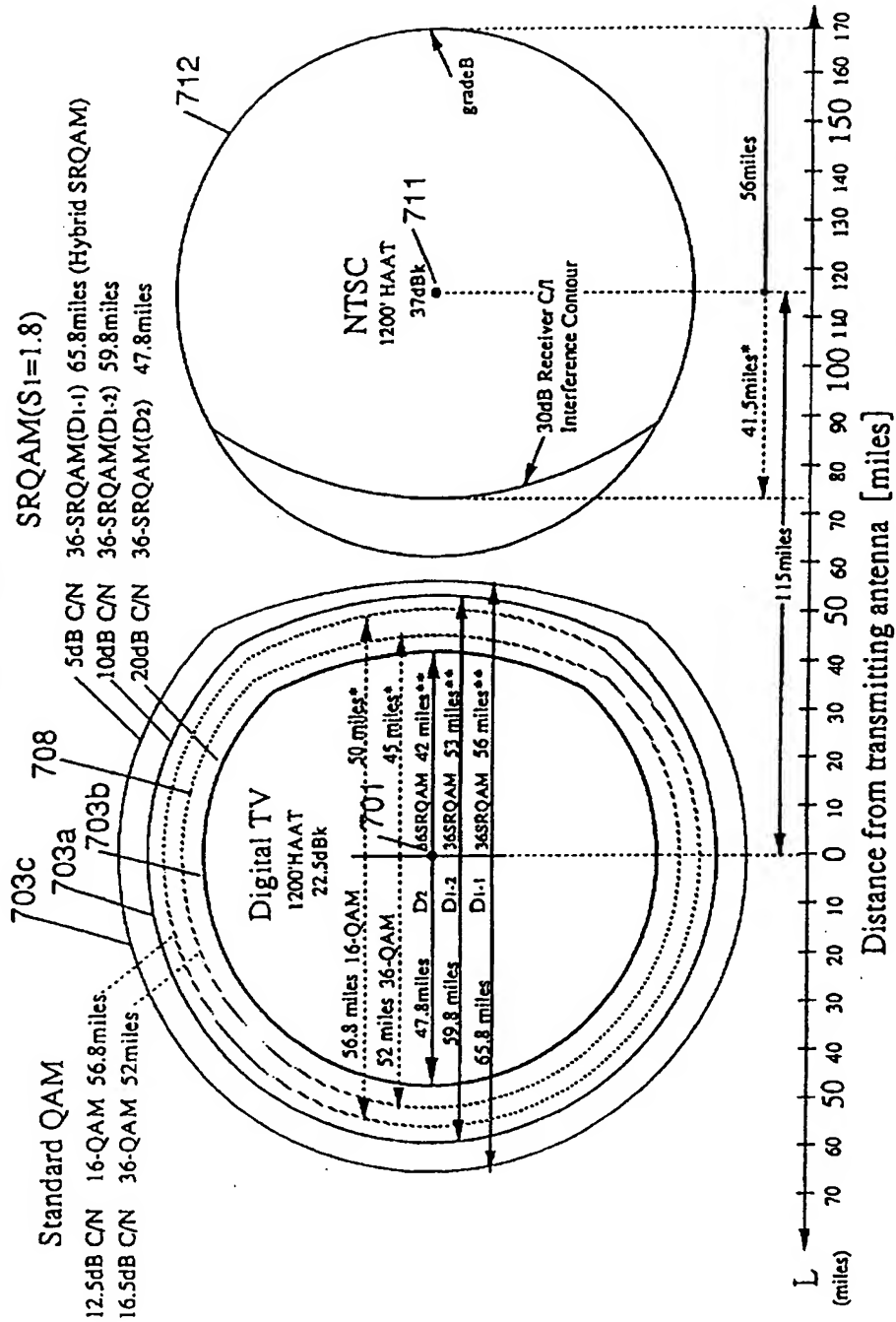


FIG. 107



\* : approximately calculated

FIG. 108(a)

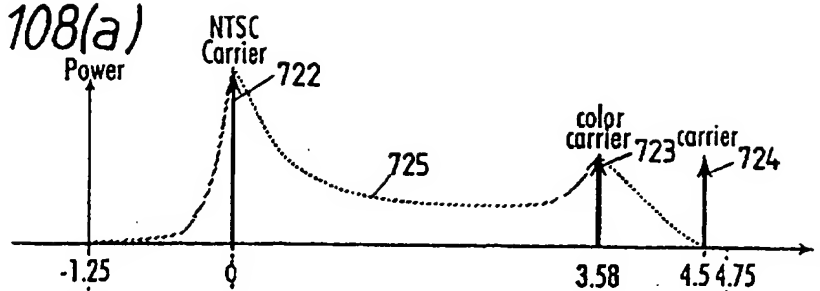


FIG. 108(b)

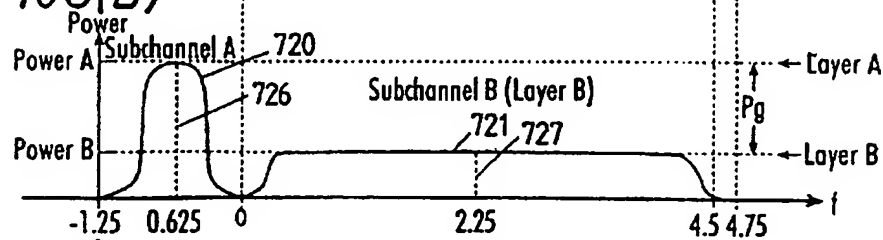


FIG. 108(c)

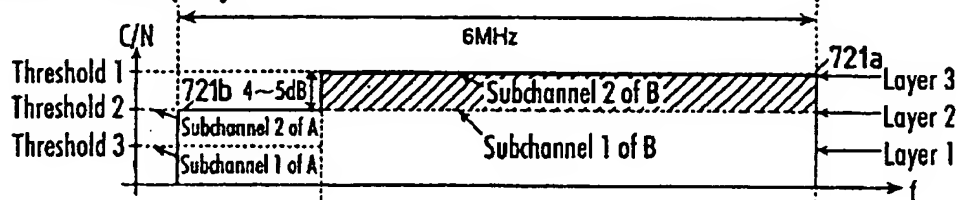


FIG. 108(d)

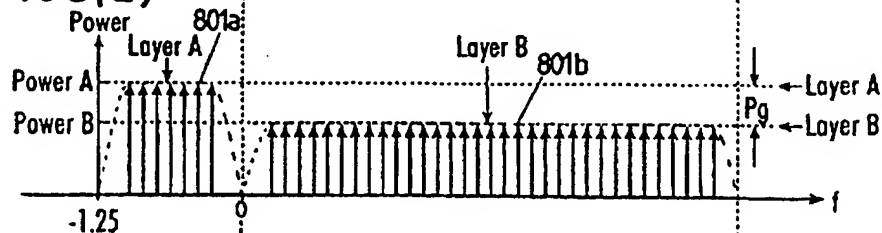


FIG. 108(e)

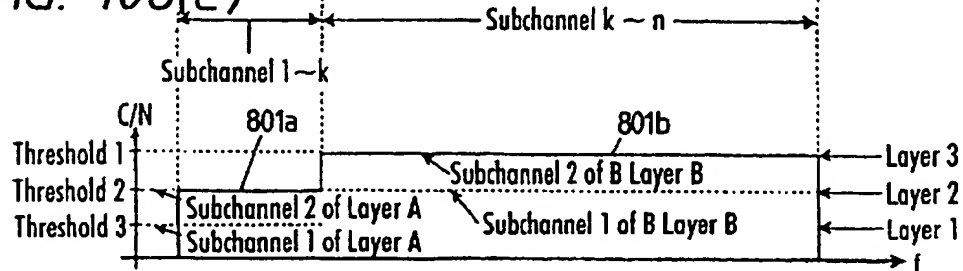




FIG. 109

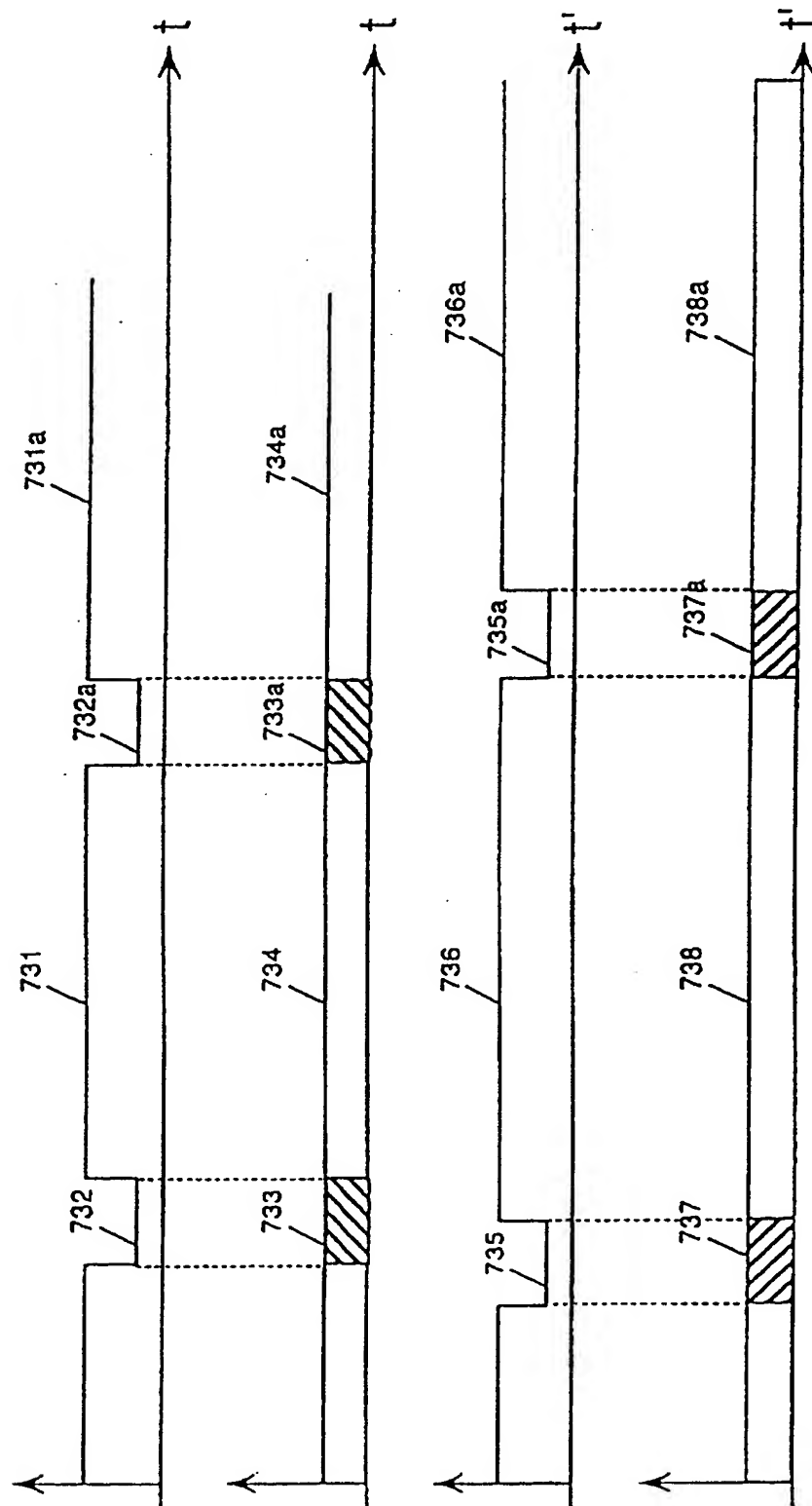


FIG. 110

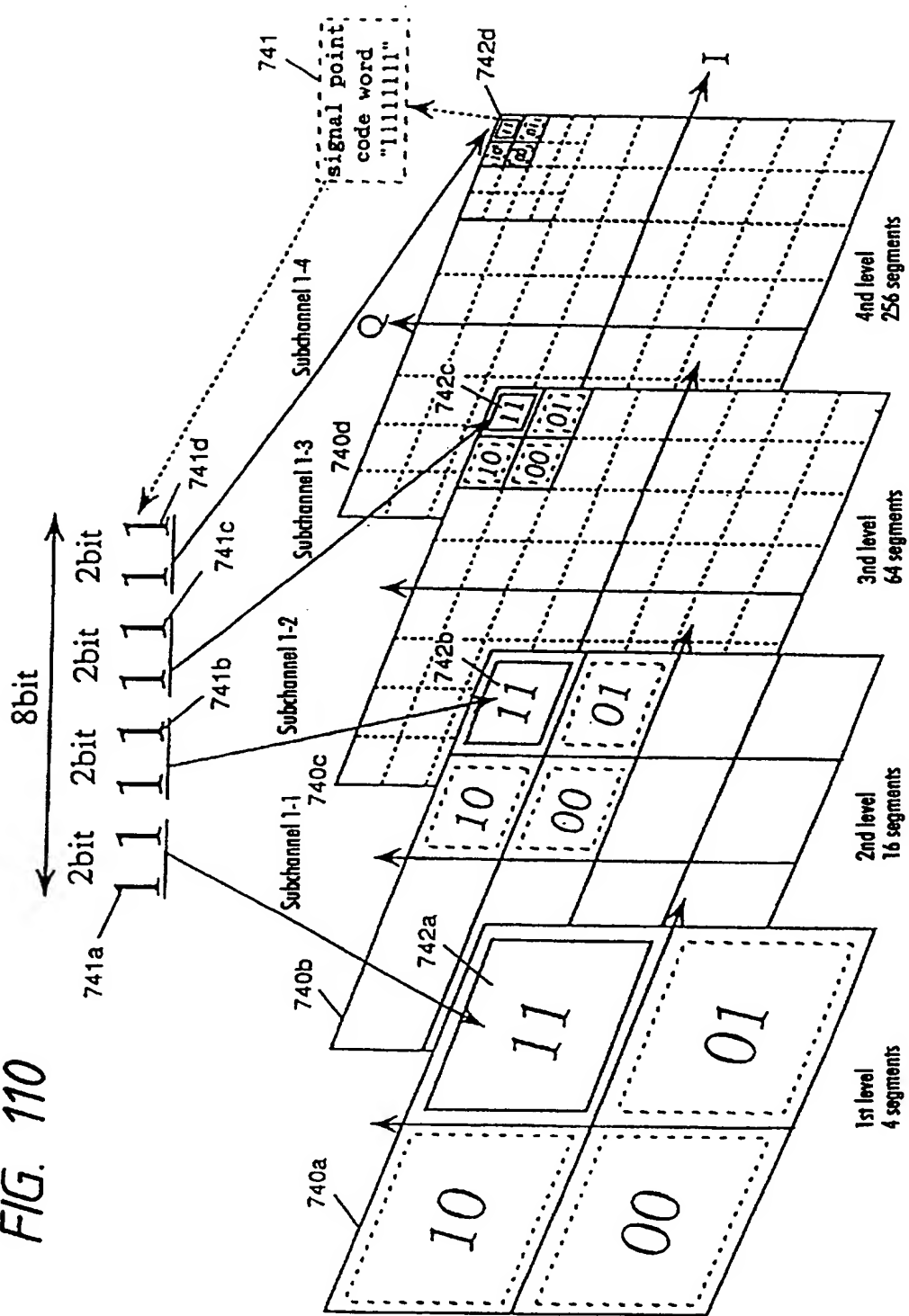
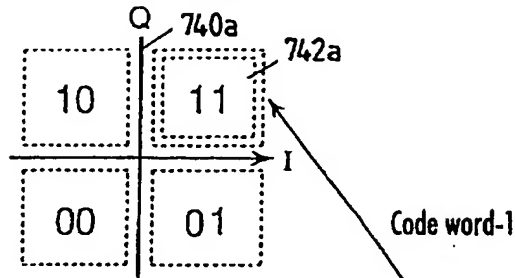
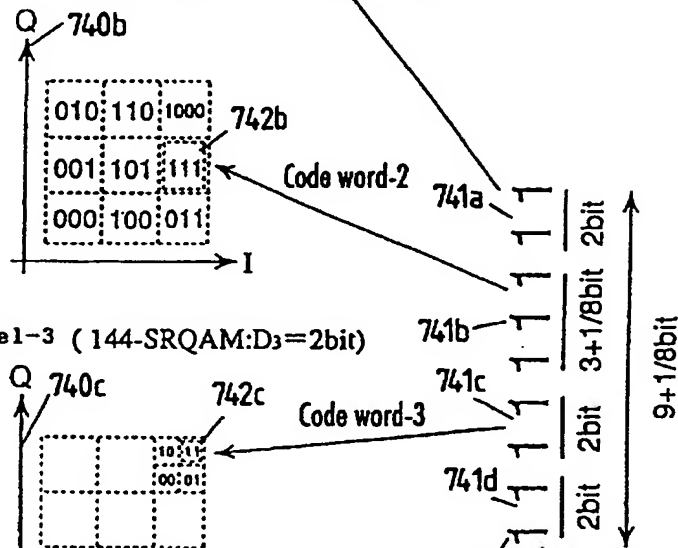


FIG. 111

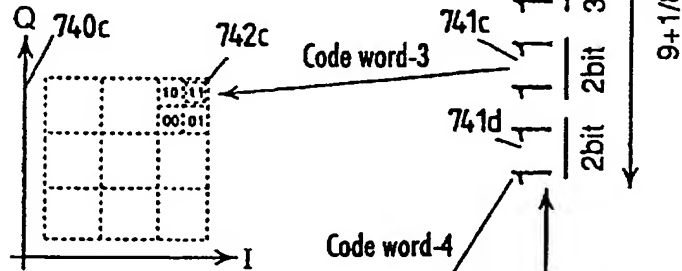
Subchannel-1 (SRQAM:  $D_1=2\text{bit}$ )



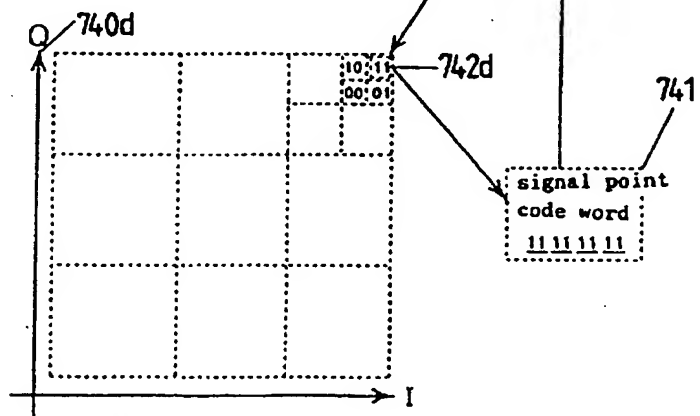
Subchannel-2 (36-SRQAM:  $D_2=3\text{bit}+1/8\text{bit}$ )



Subchannel-3 (144-SRQAM:  $D_3=2\text{bit}$ )



Subchannel-4 (576-SRQAM:  $D_4=2\text{bit}$ )



signal point  
code word  
11 11 11 11

Subchannel-1 (SRQAM:D<sub>1</sub>=2bit)

FIG. 112

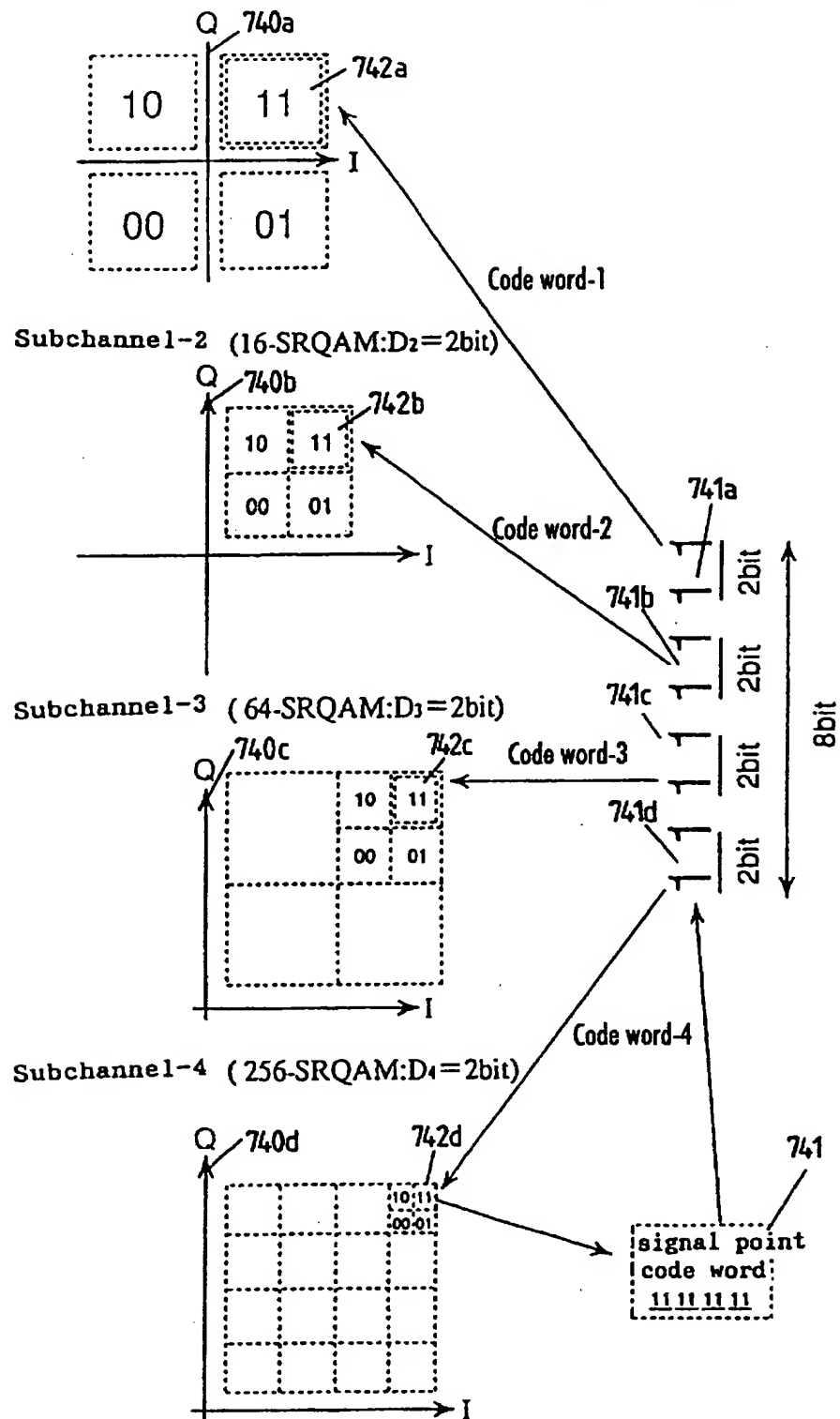


FIG. 113

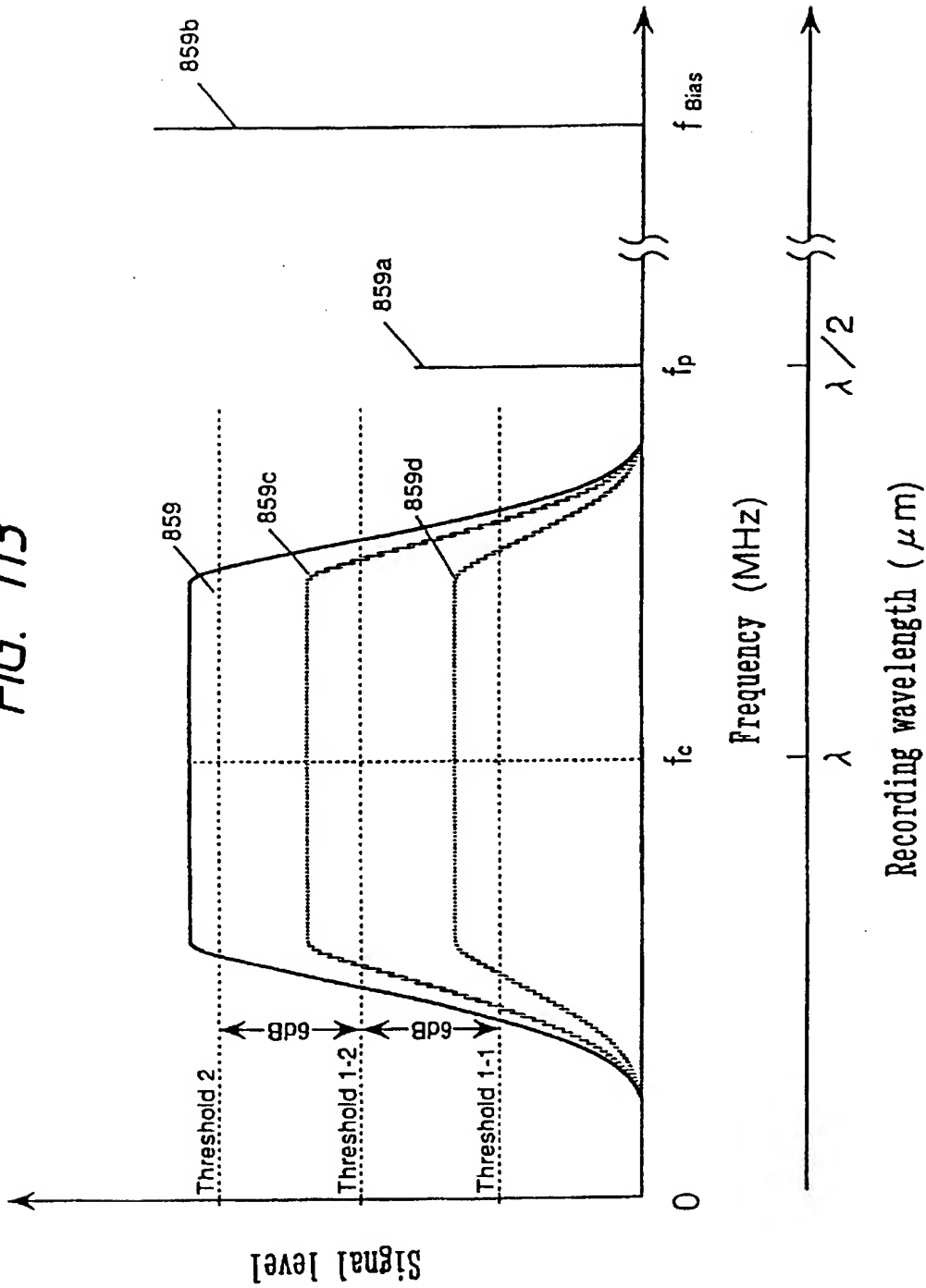


FIG. 114

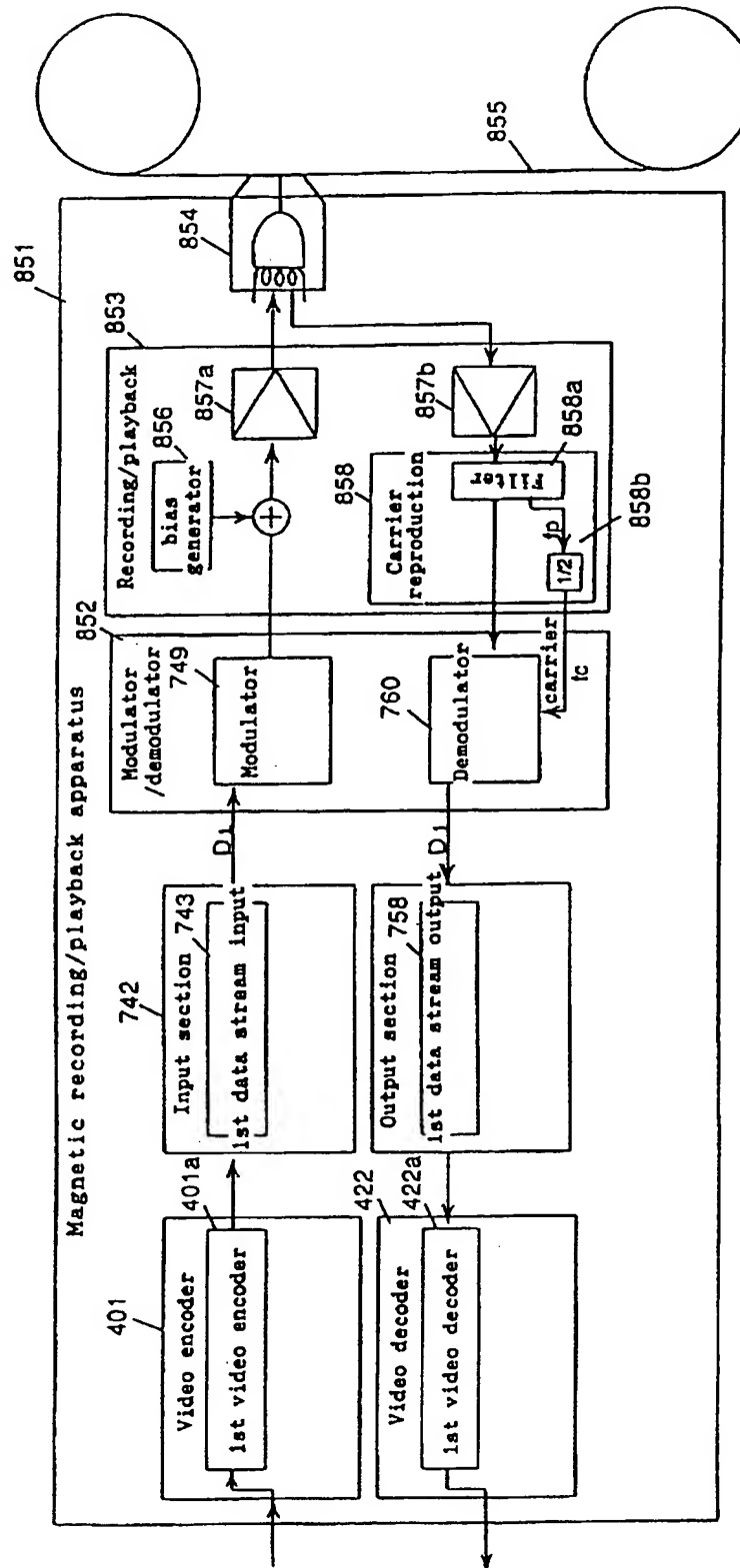


FIG. 115

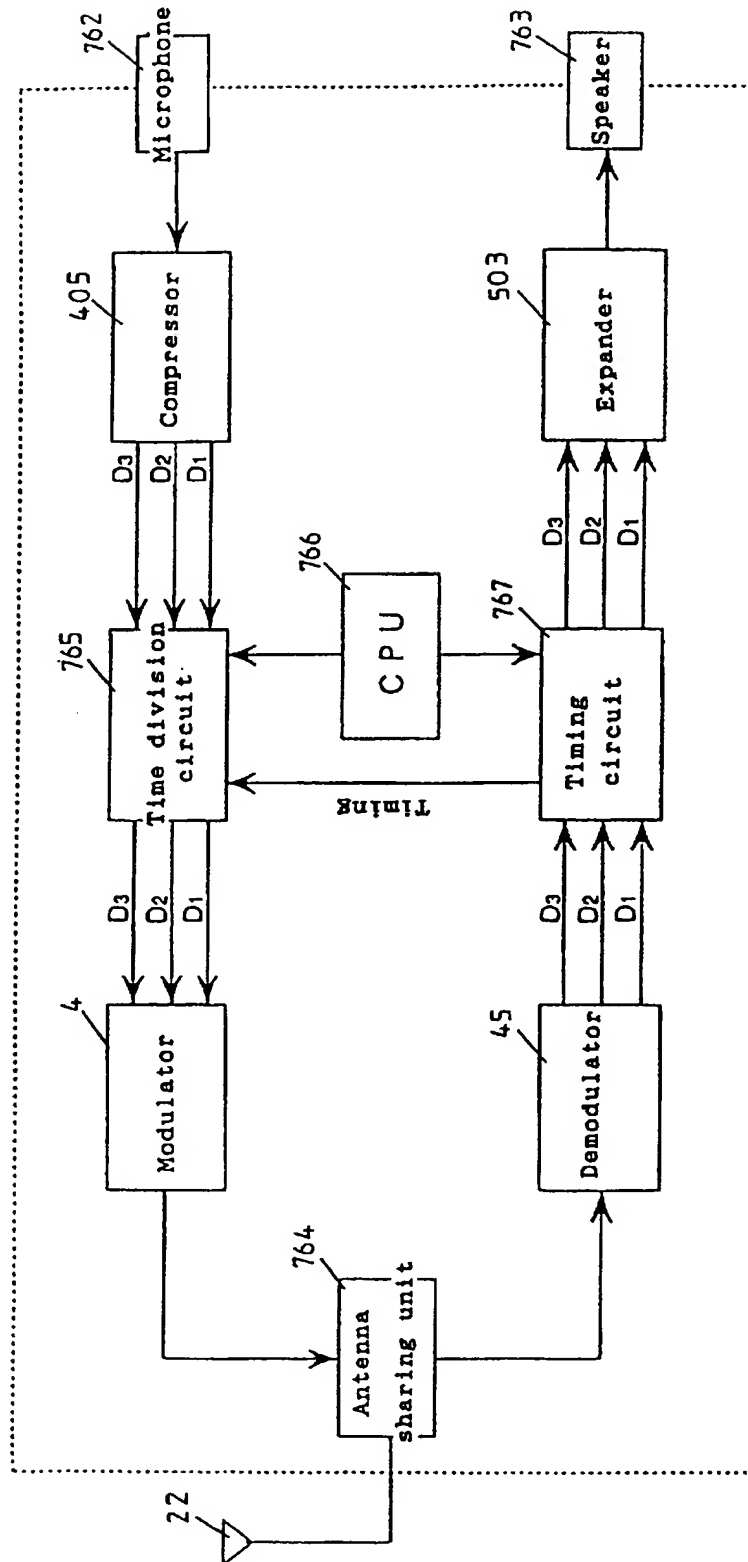


FIG. 116

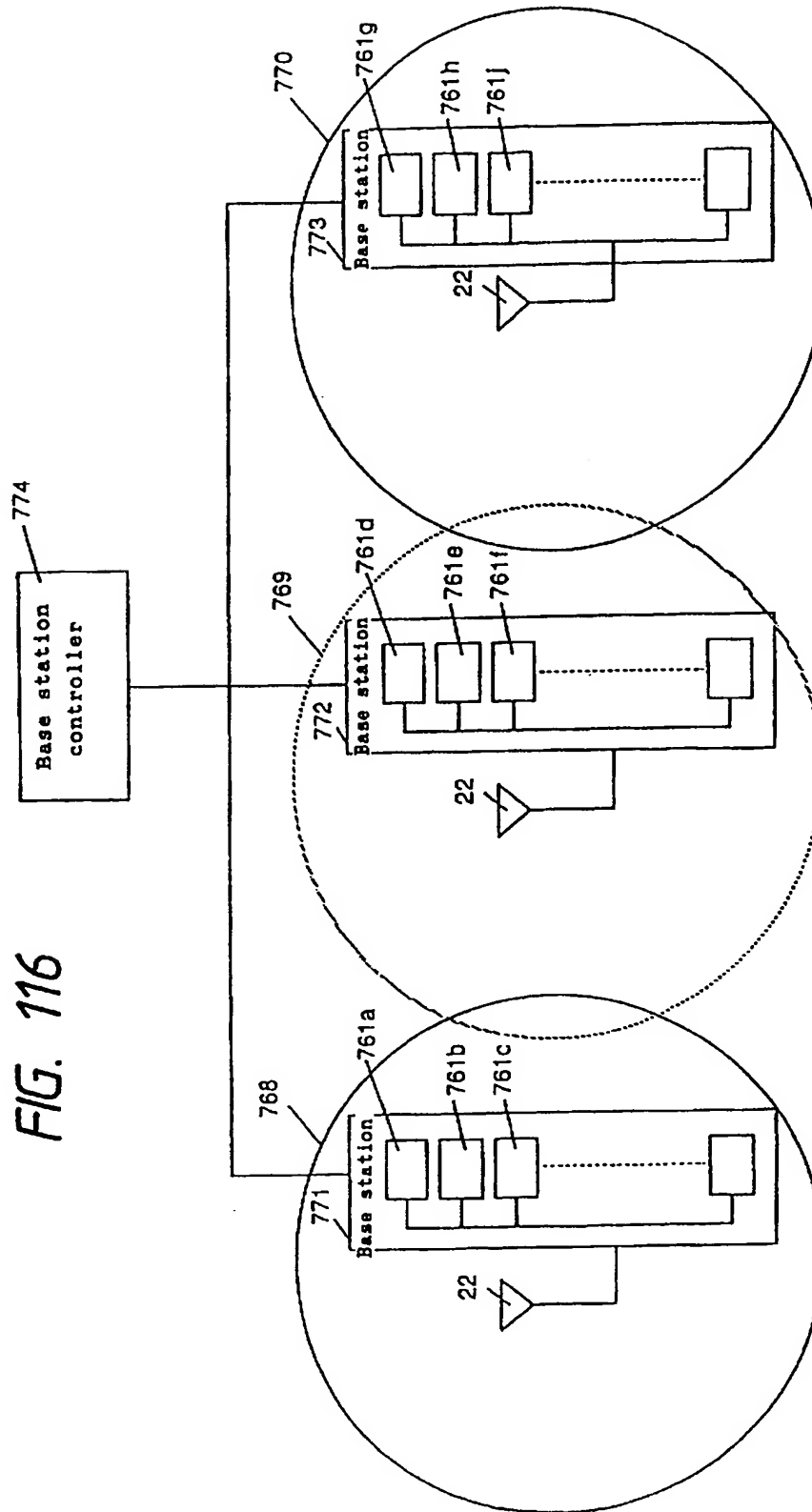
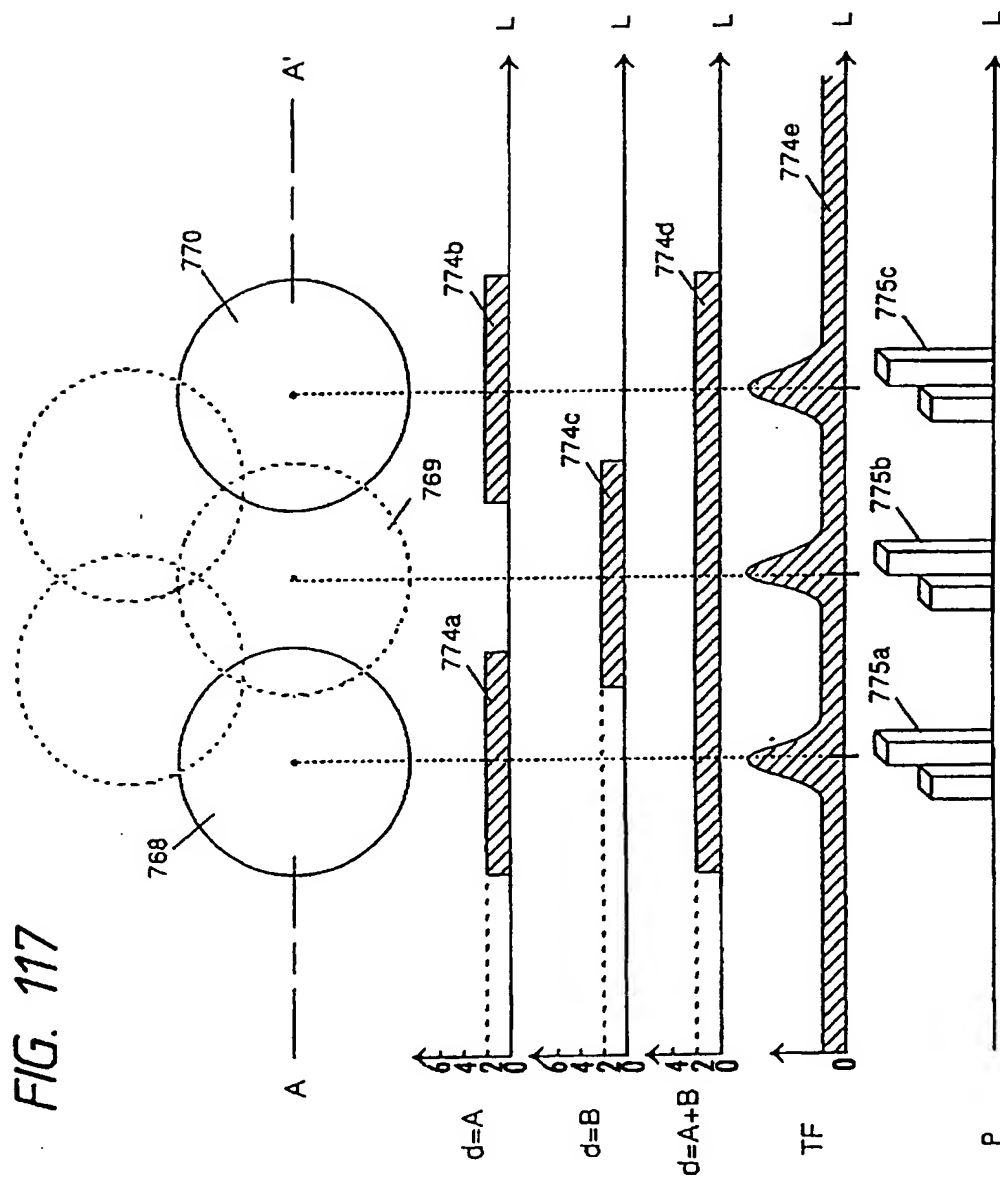
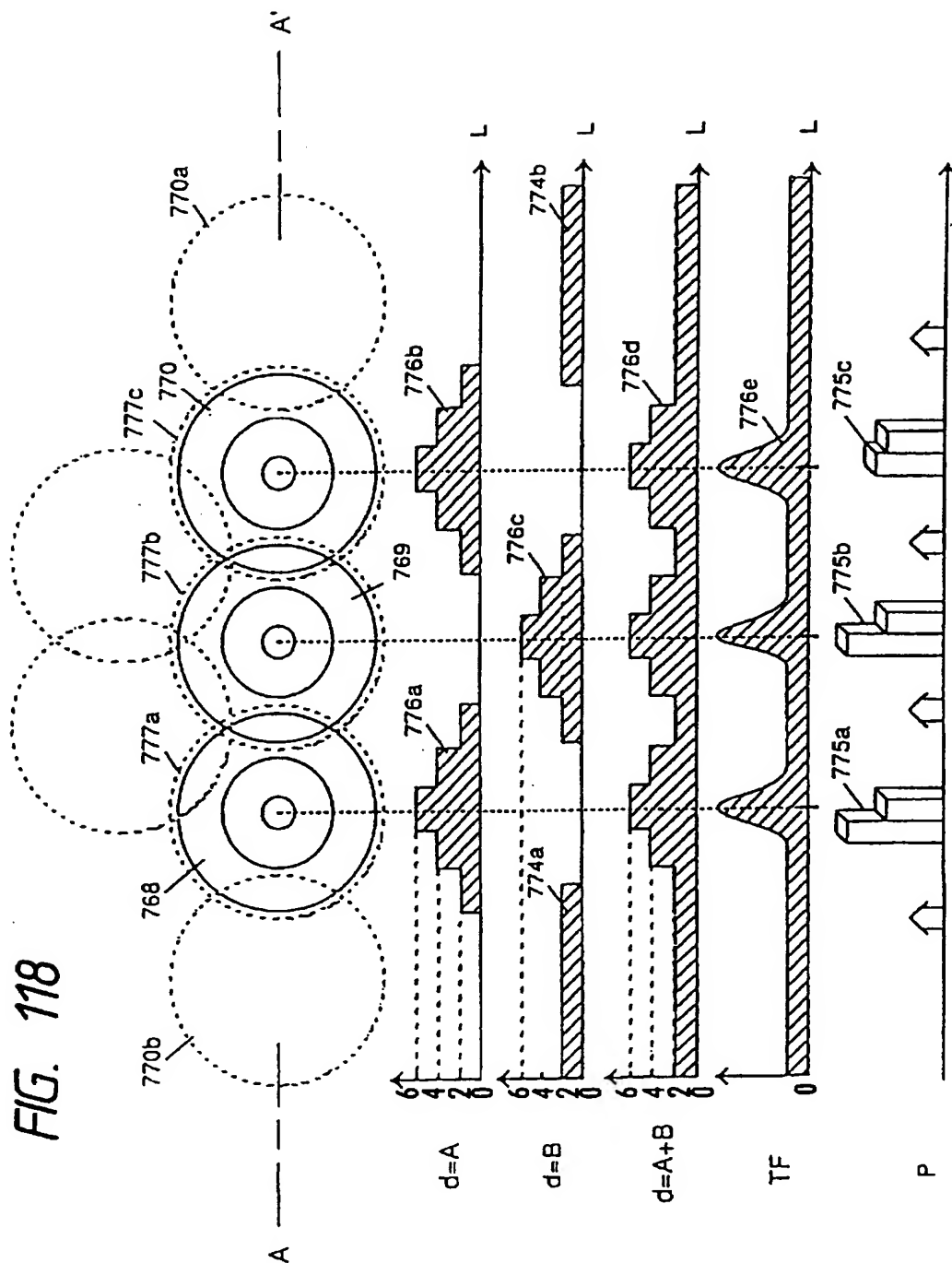




FIG. 117



**FIG. 118**



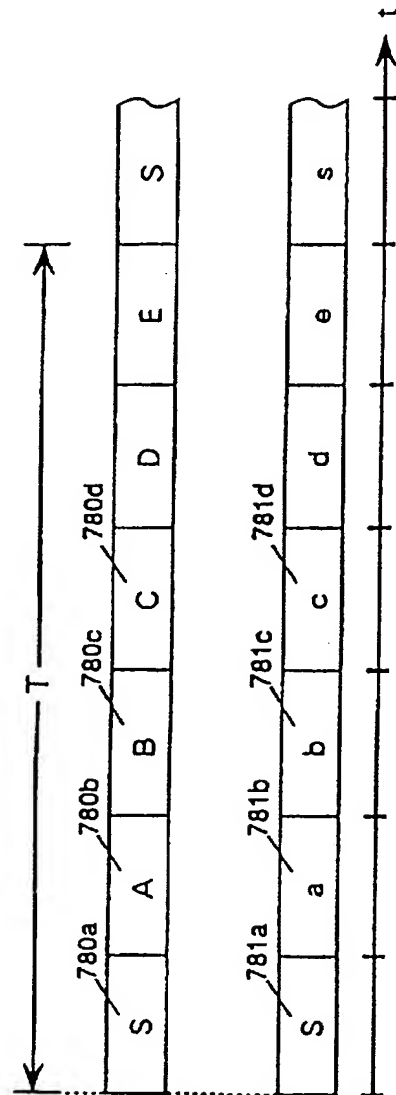


FIG. 119(a)

Down

Up

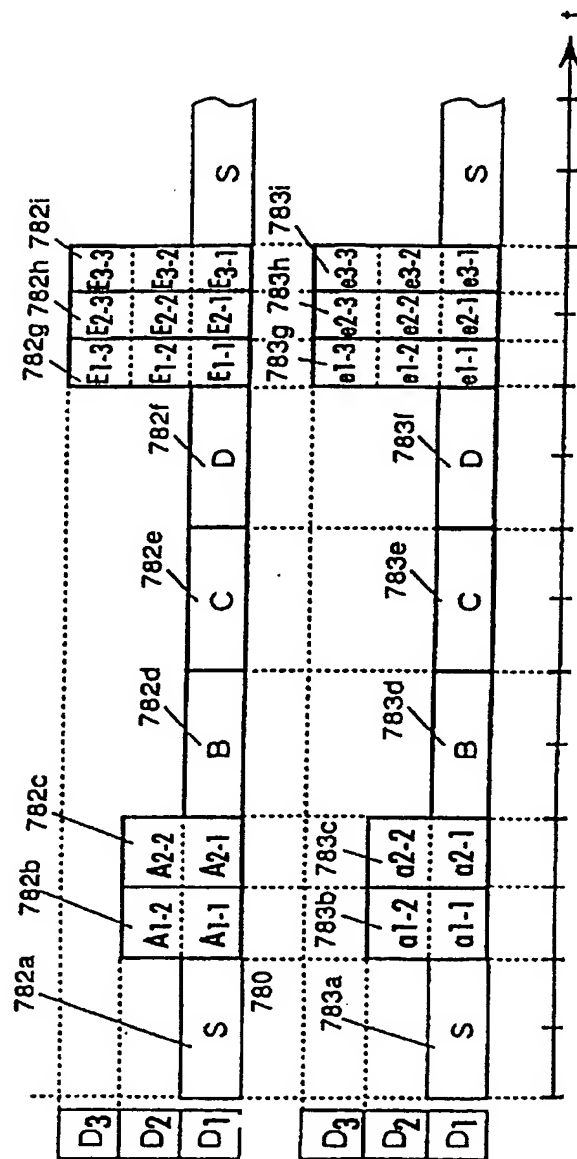


FIG. 119(b)

Down

Up

FIG. 120(a)

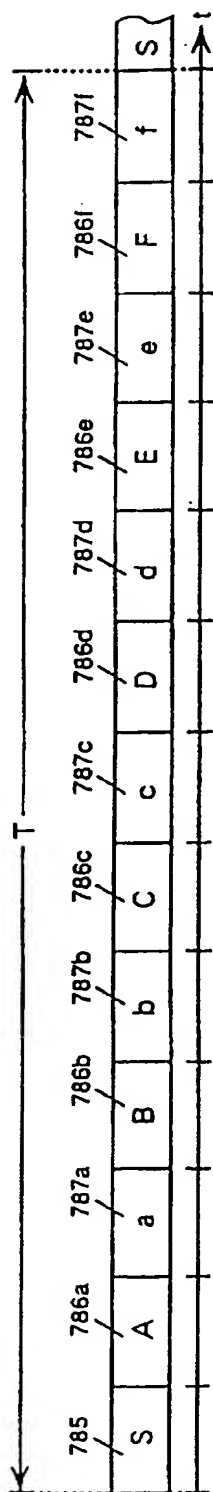


FIG. 120(b)

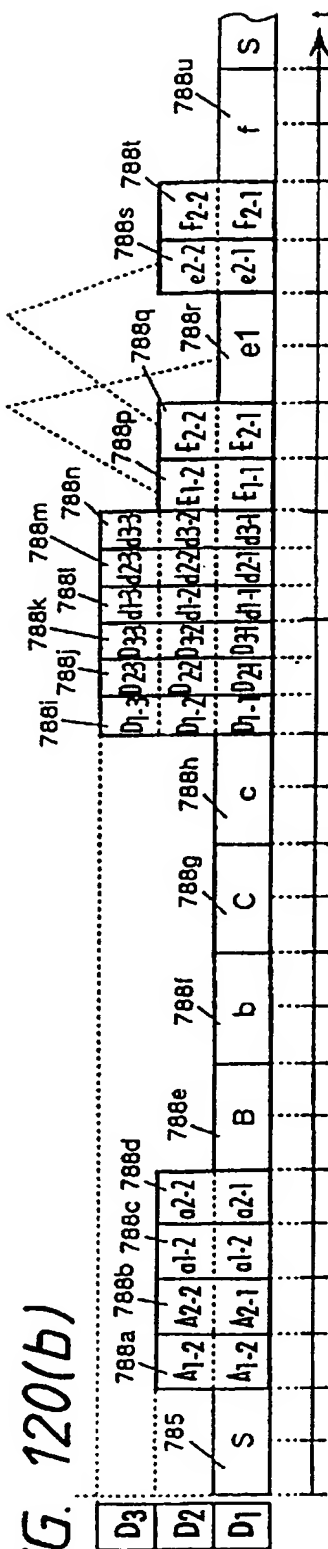


FIG. 121

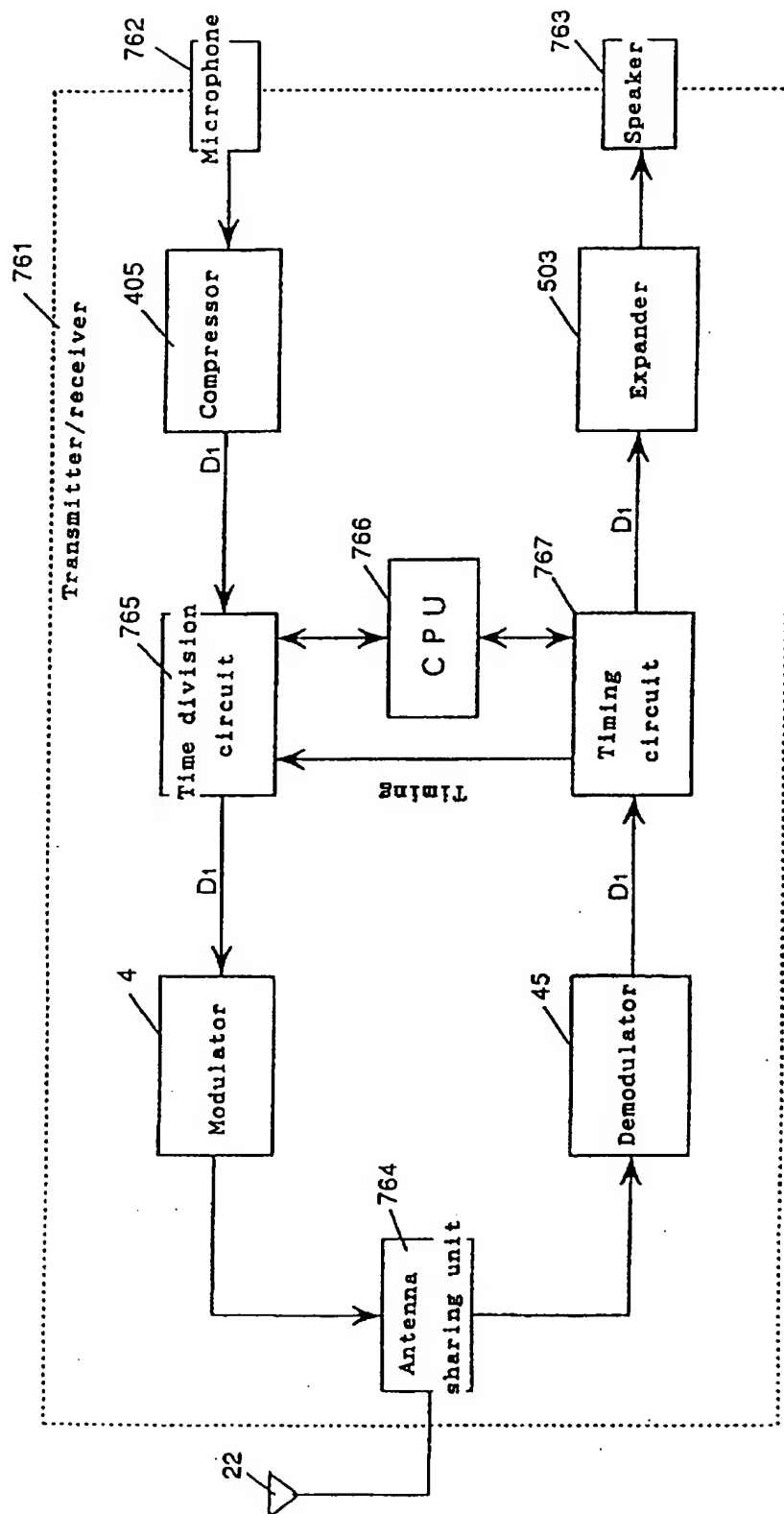


FIG. 122

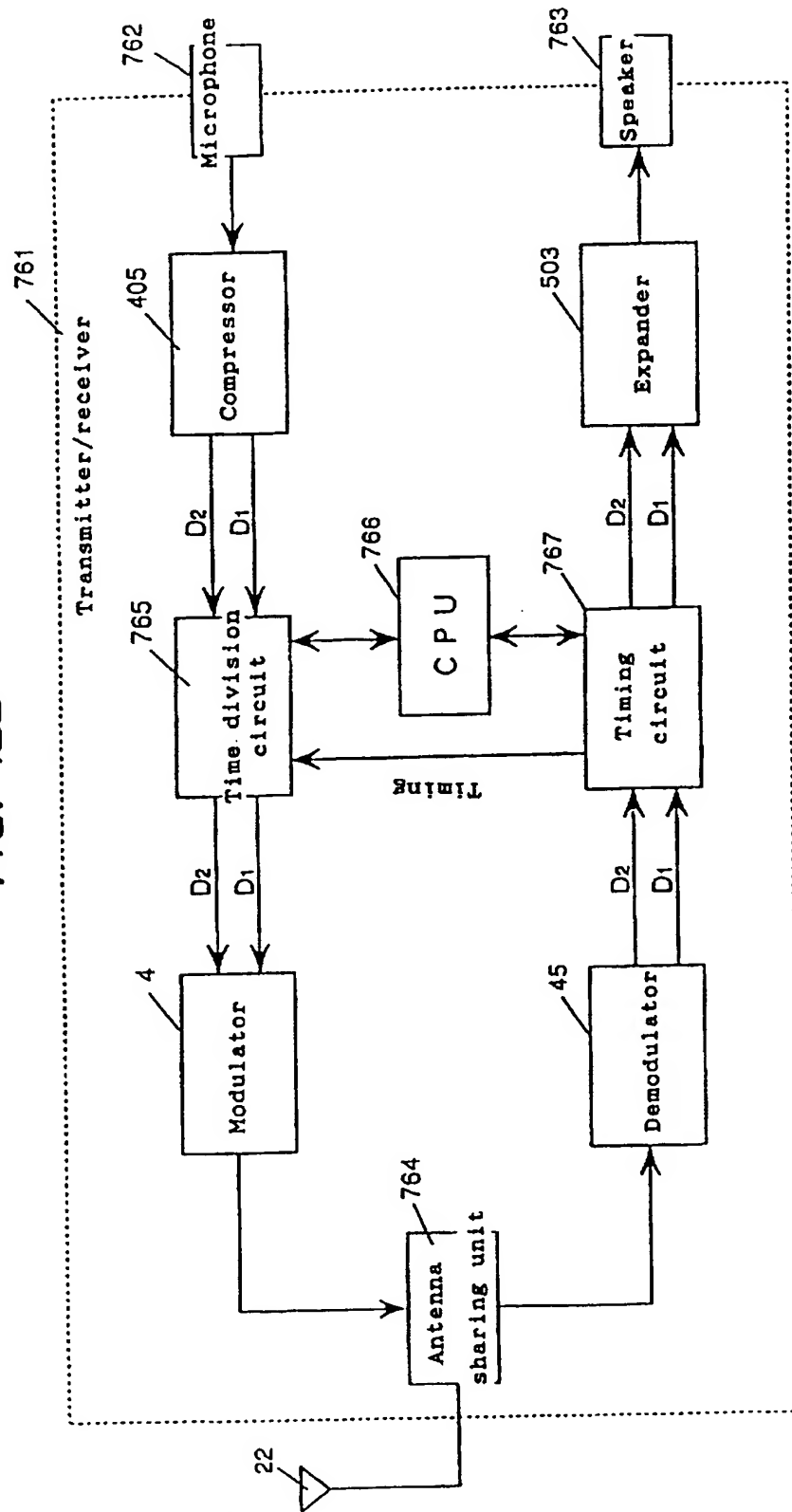
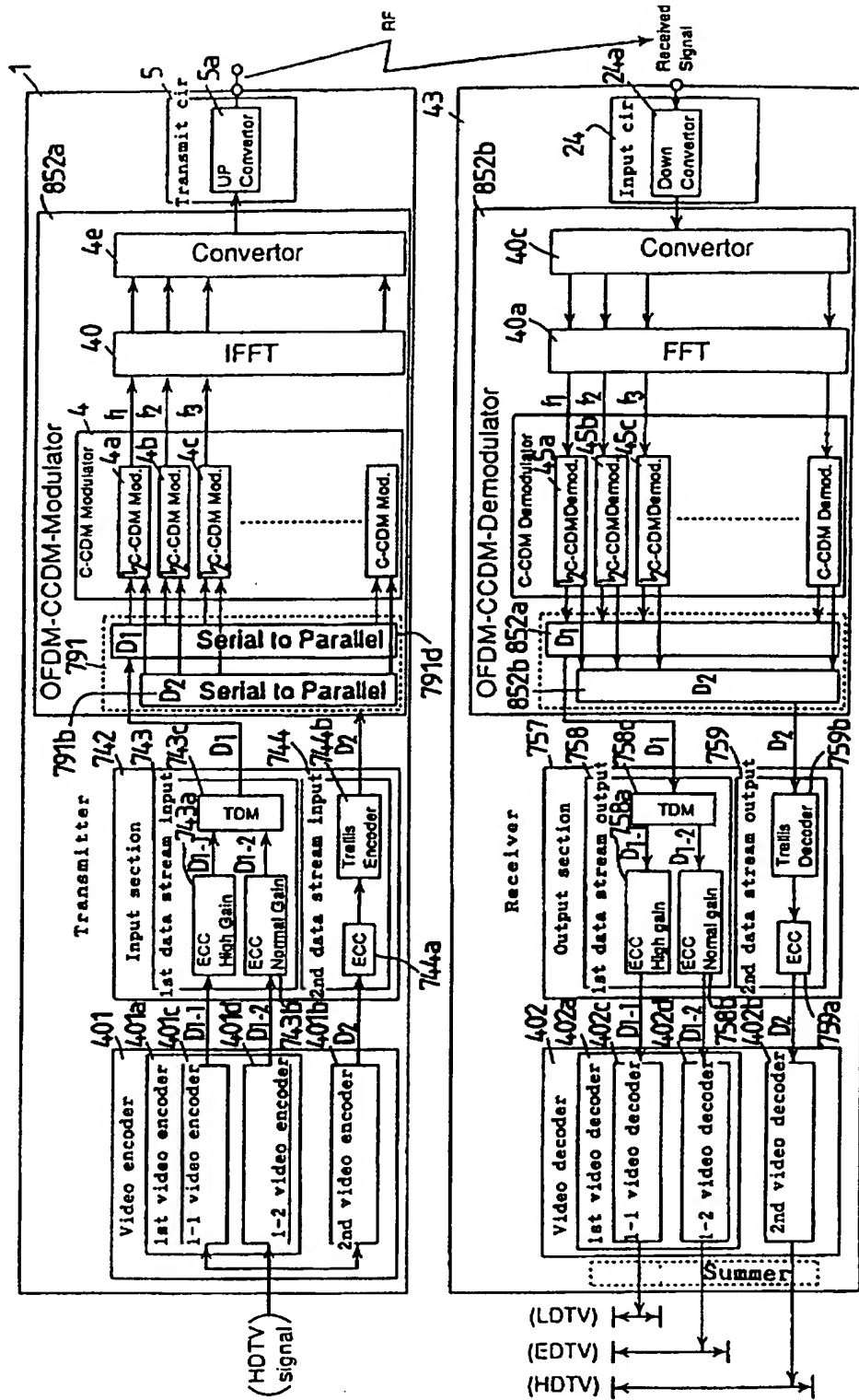


FIG. 123



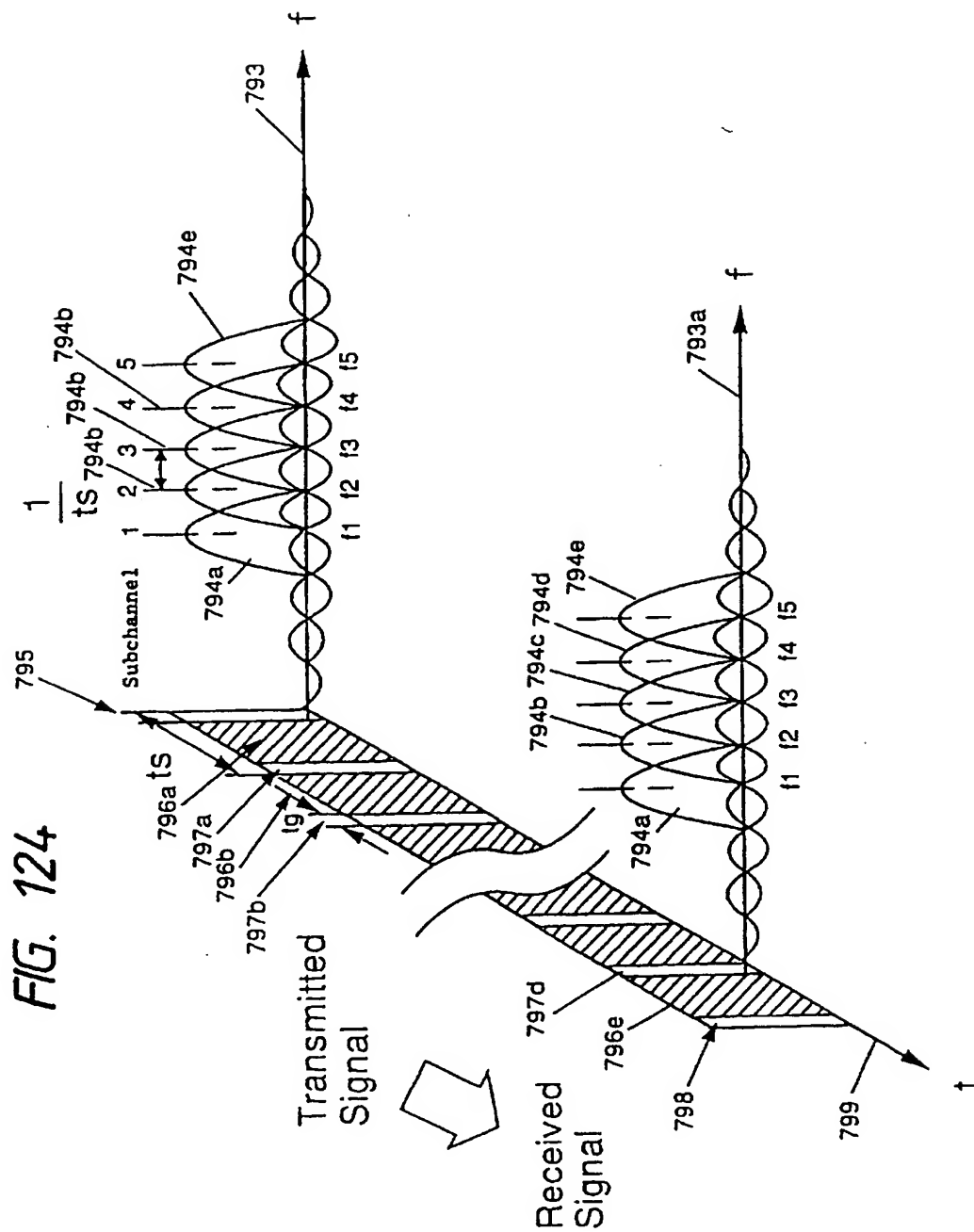




FIG. 125(a)

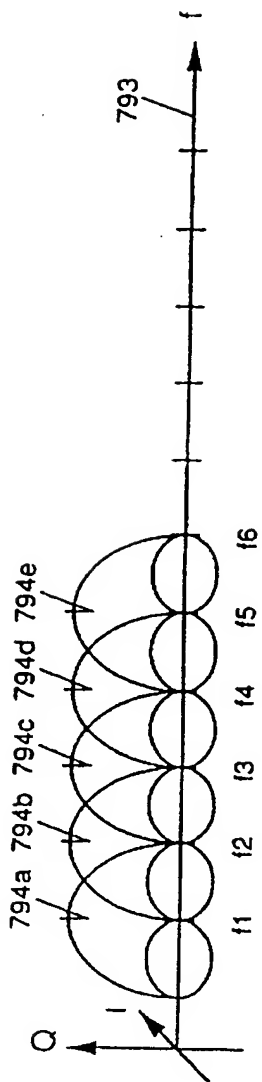
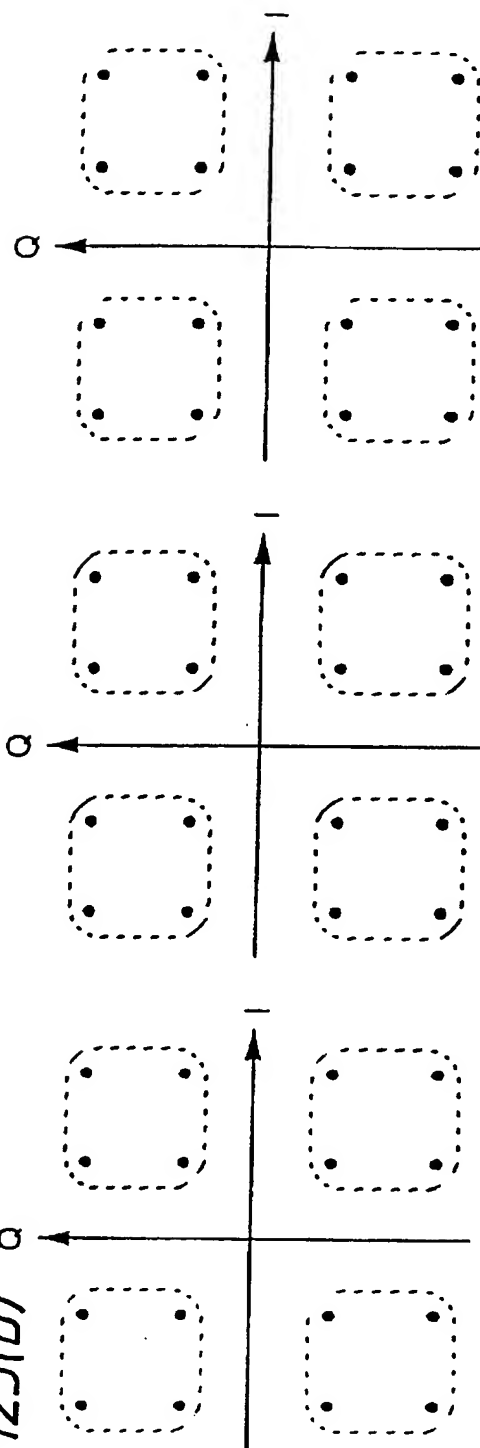


FIG. 125(b)



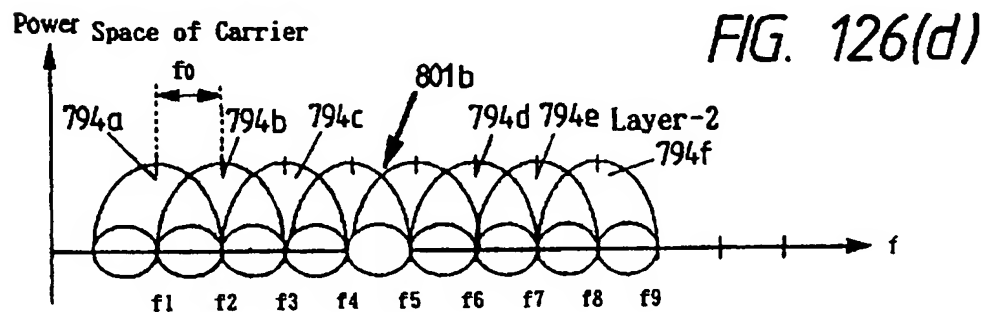
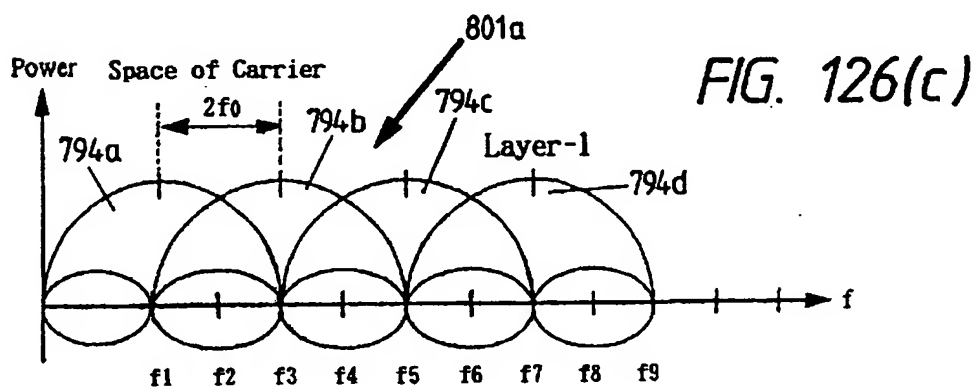
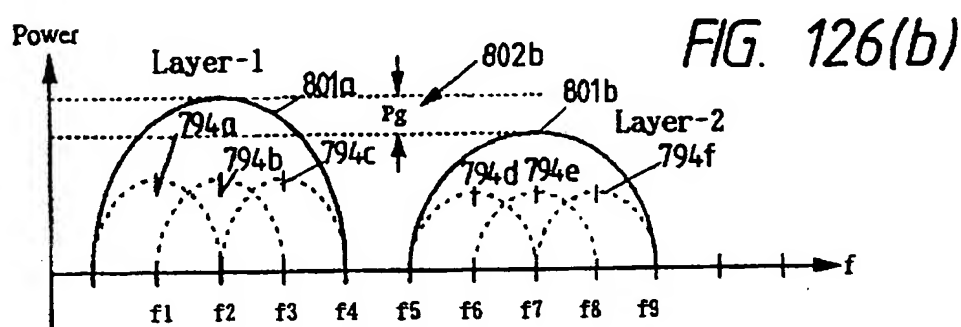
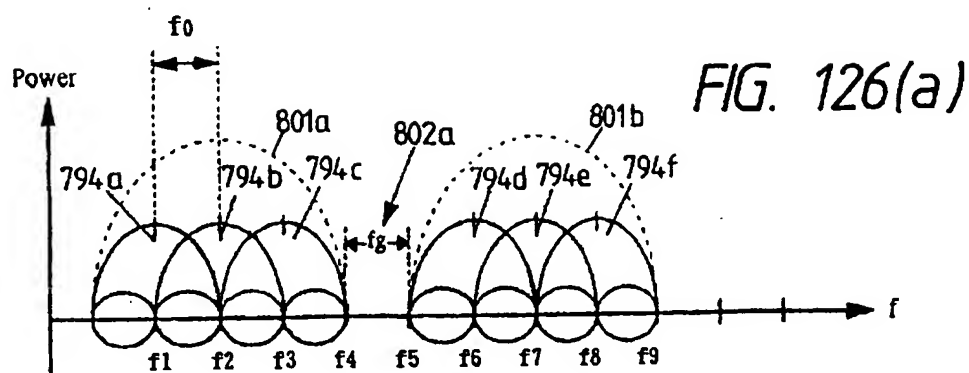


FIG. 127

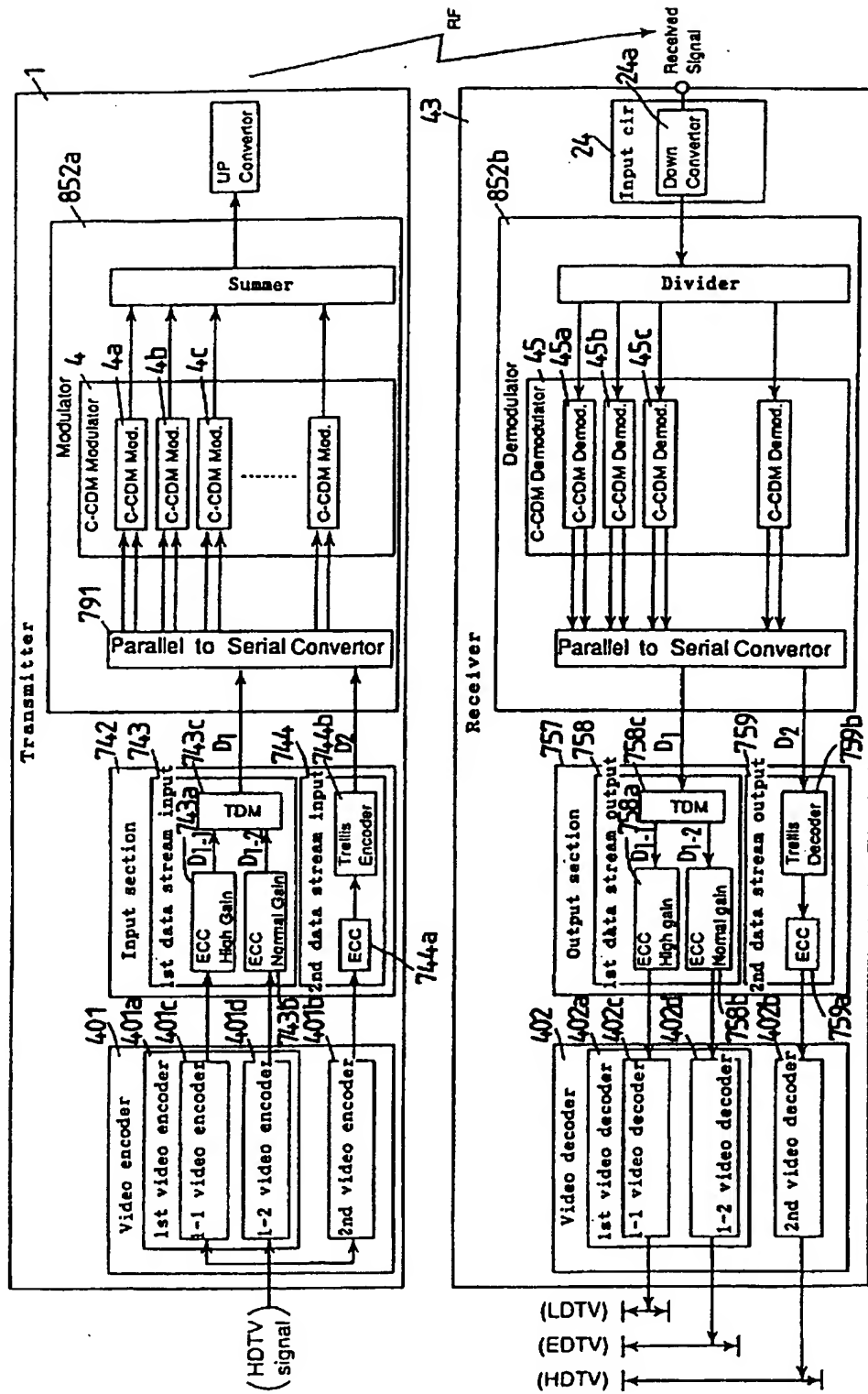


FIG. 128(a)

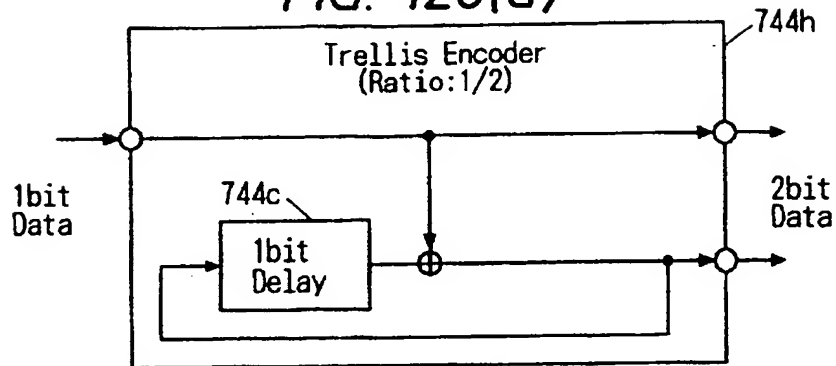


FIG. 128(b)

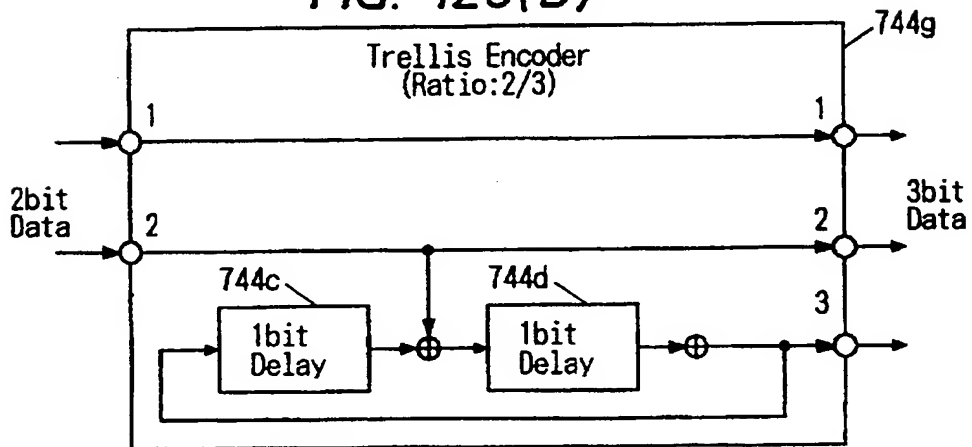


FIG. 128(c)

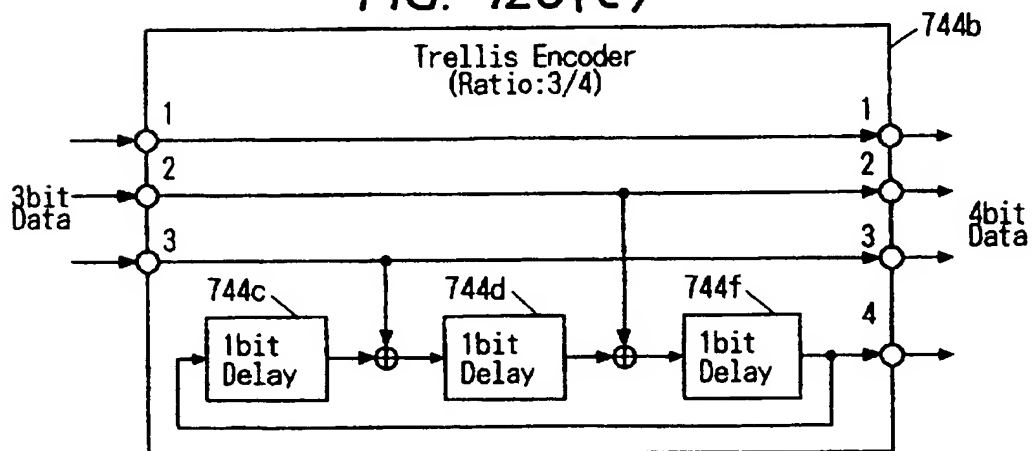


FIG. 128(d)

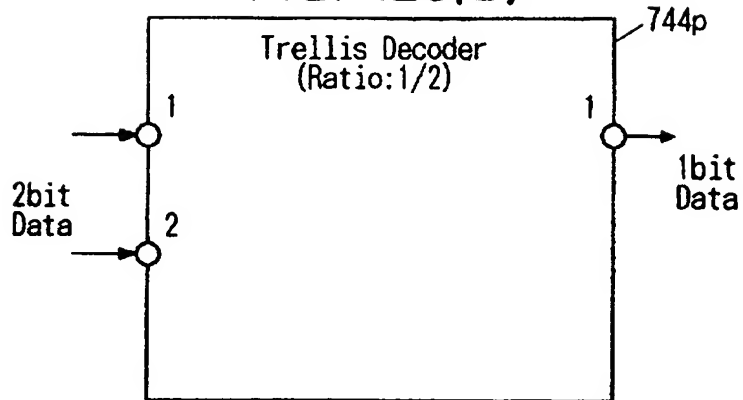


FIG. 128(e)

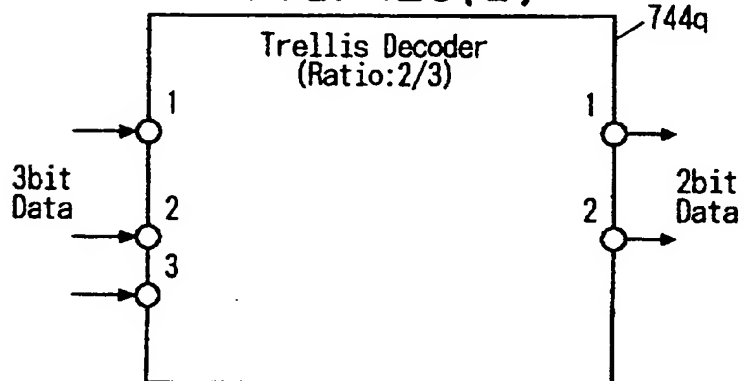


FIG. 128(f)

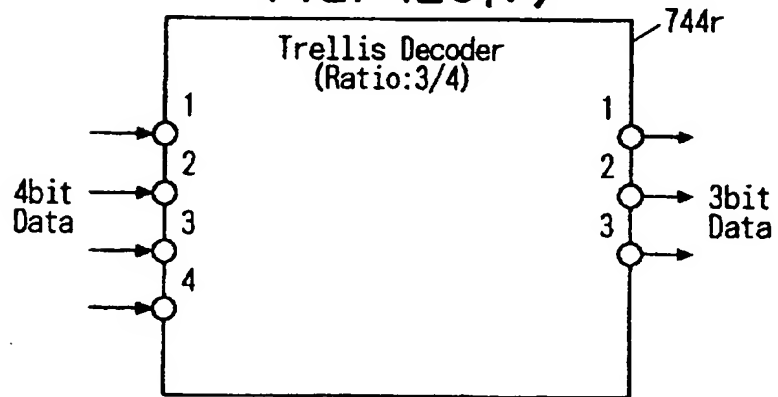


FIG. 129

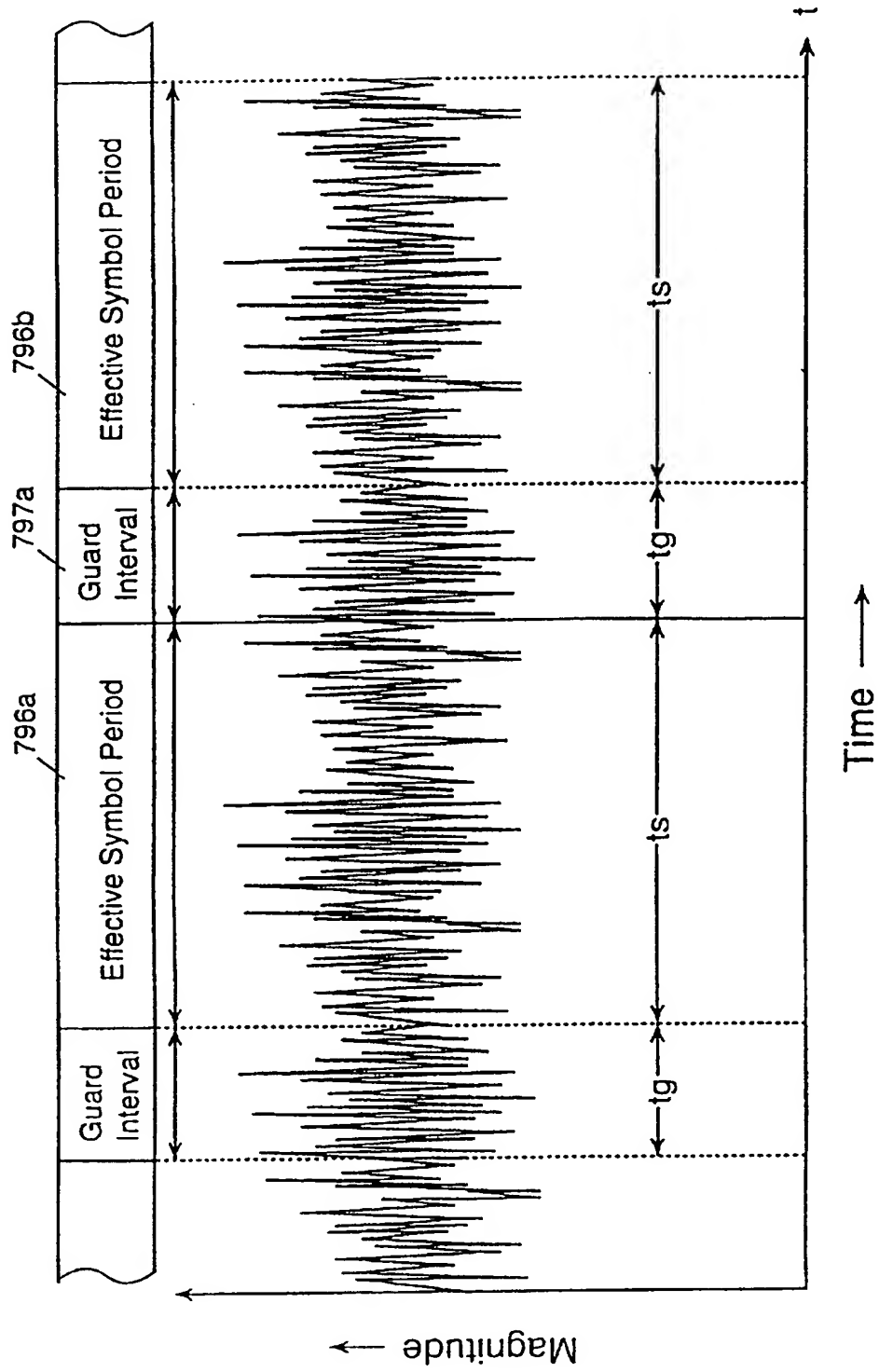


FIG. 130

GHOST DELAY=2 $\mu$ s. DU=8dB  
Figure 8 Bit Error Rate Performance Under Single Ghost  
and Gaussian Noise (1)

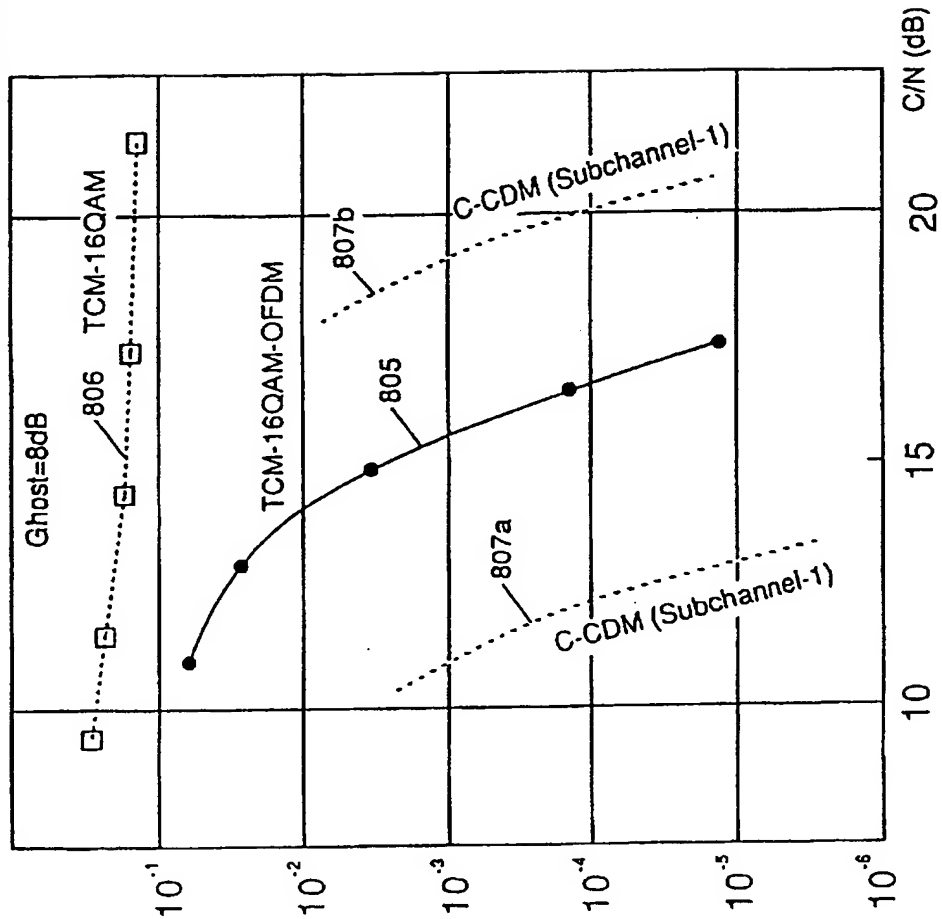


FIG. 131

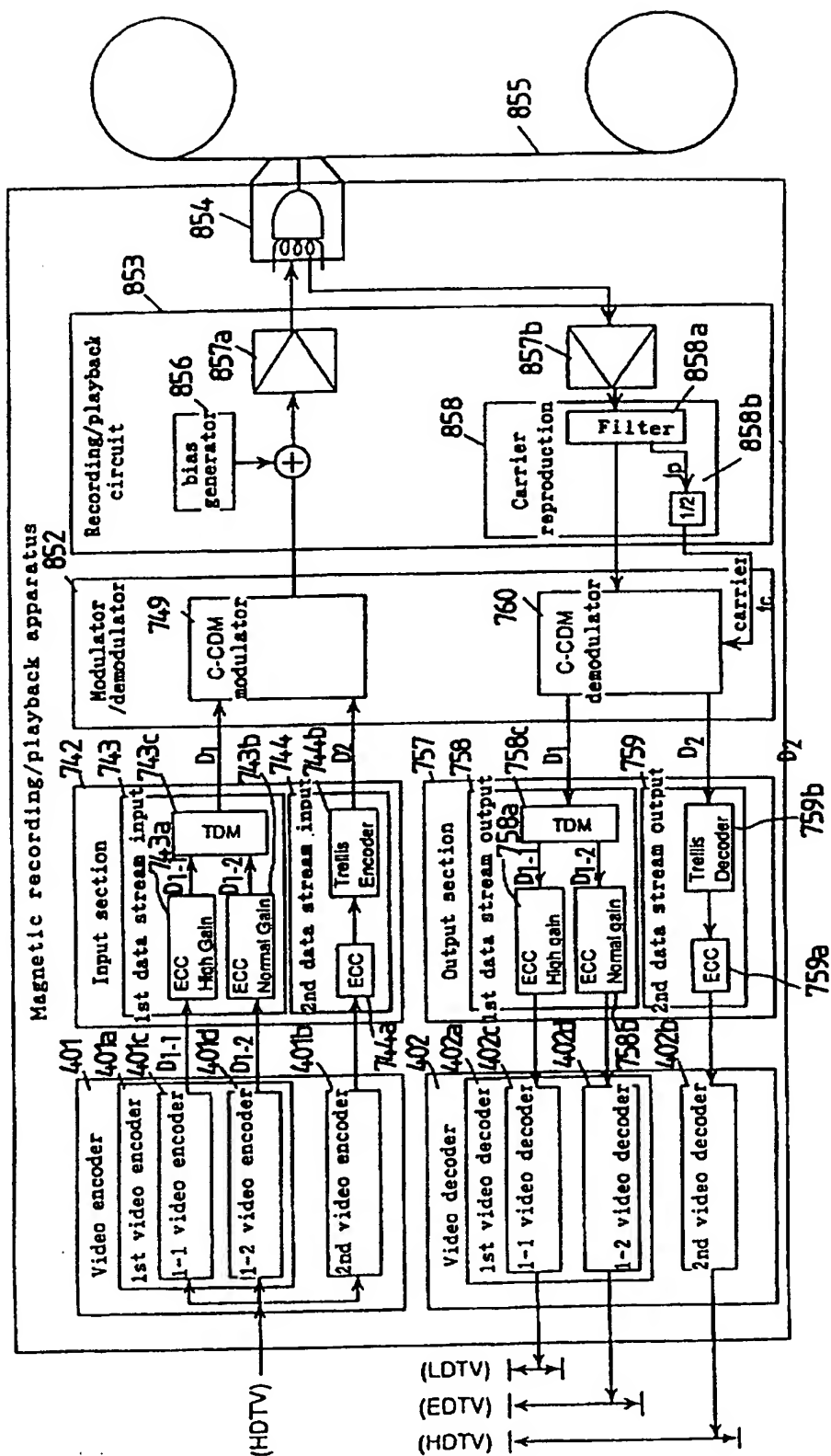




FIG. 132

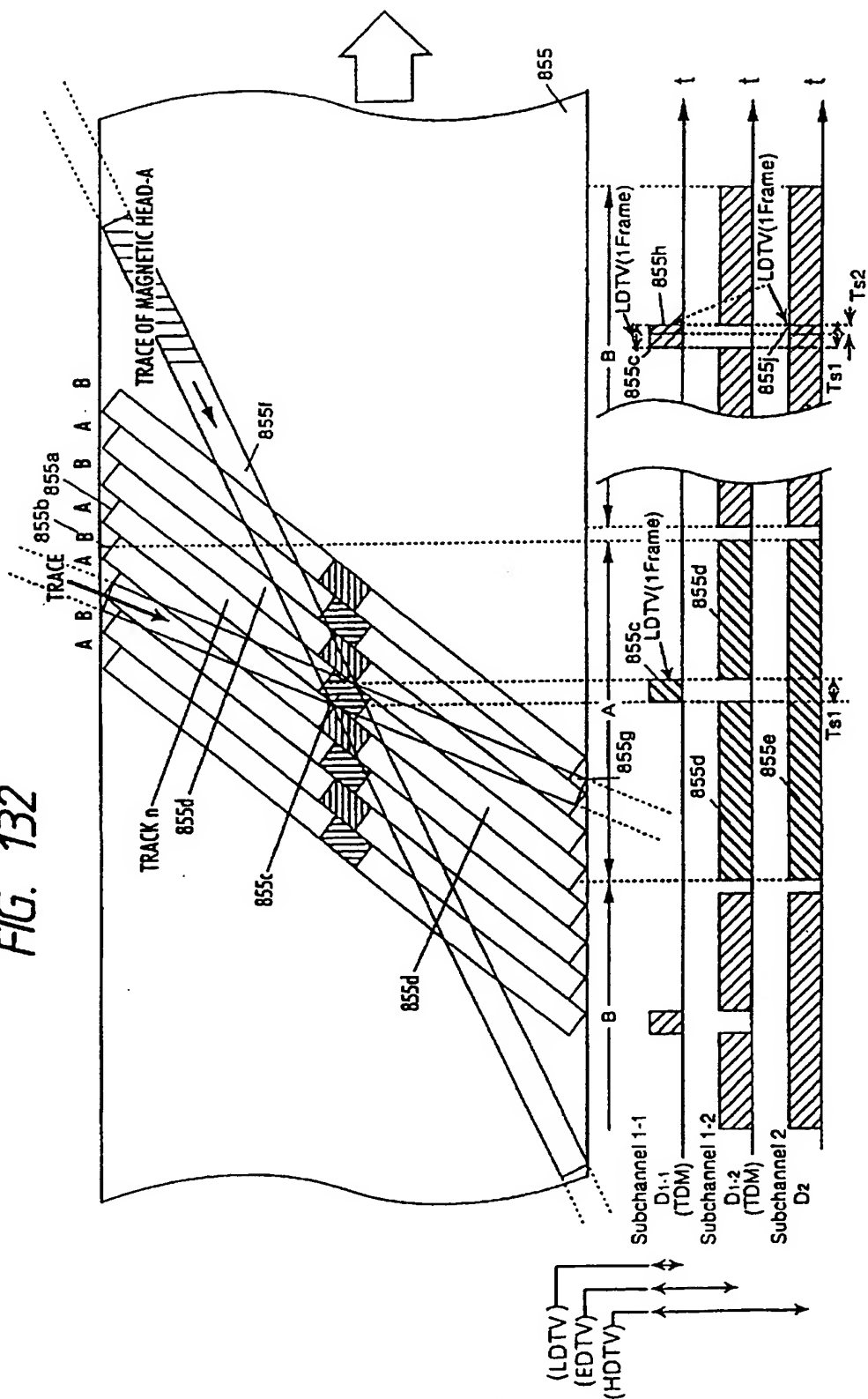


FIG. 133

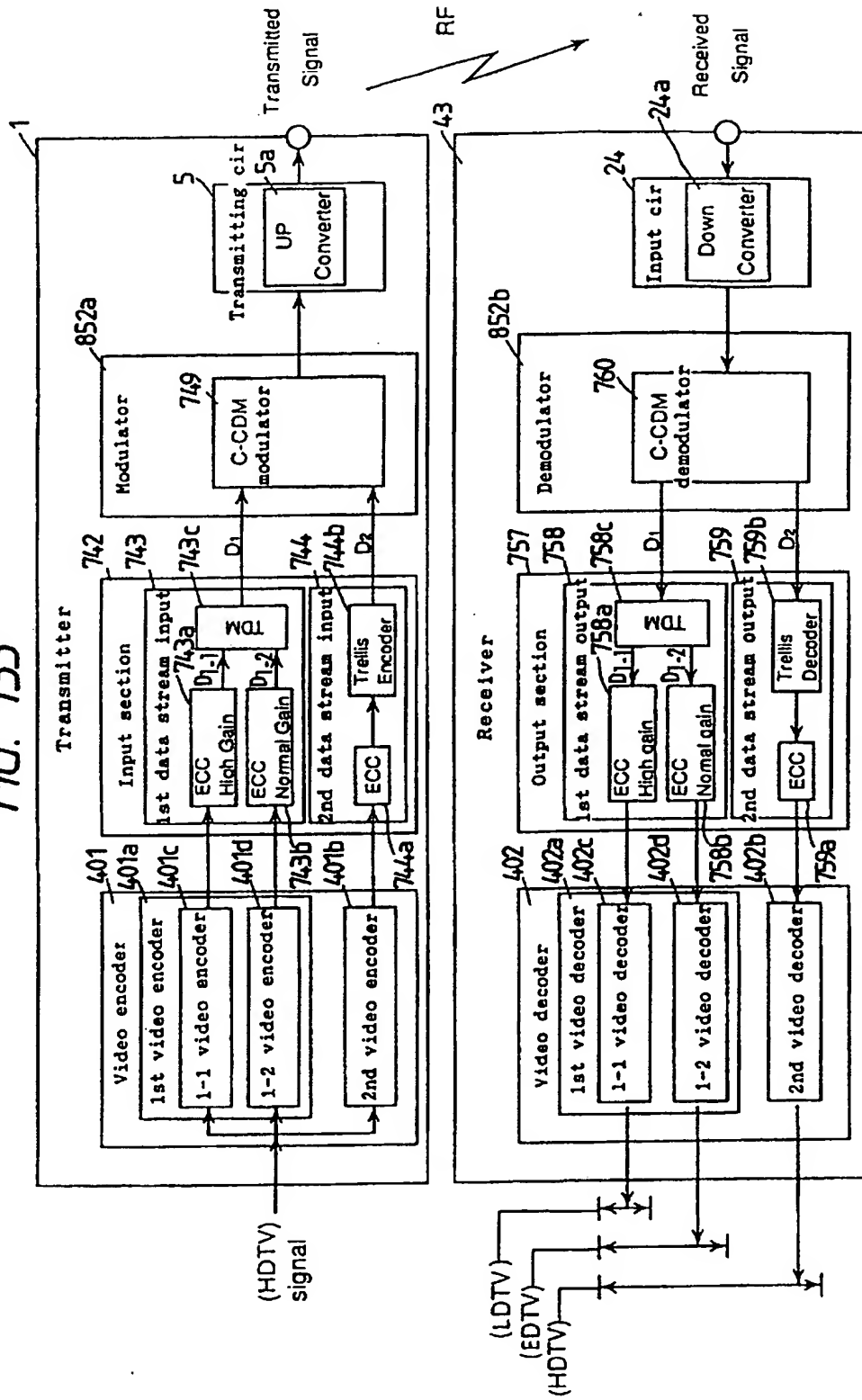


FIG. 134

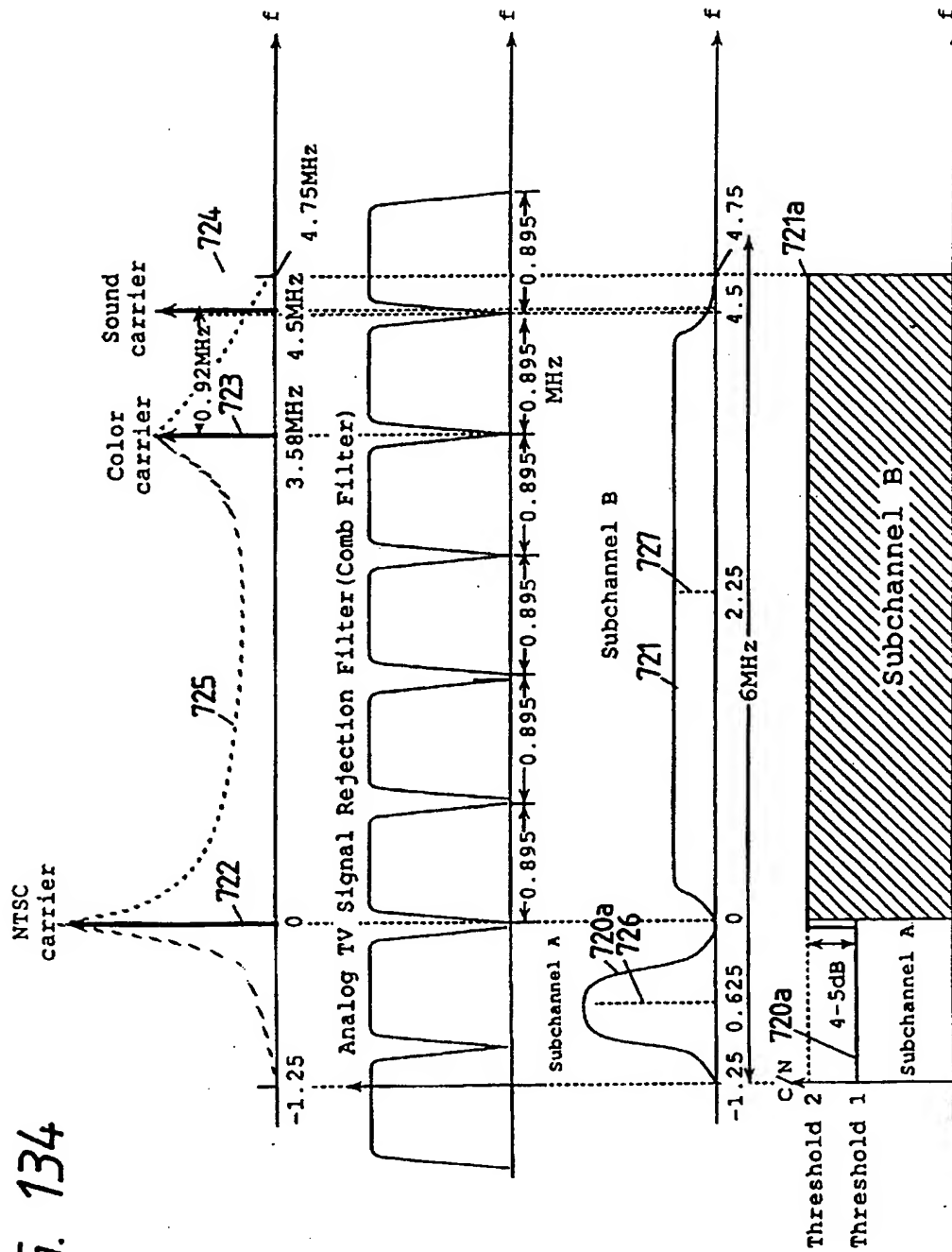


FIG. 135

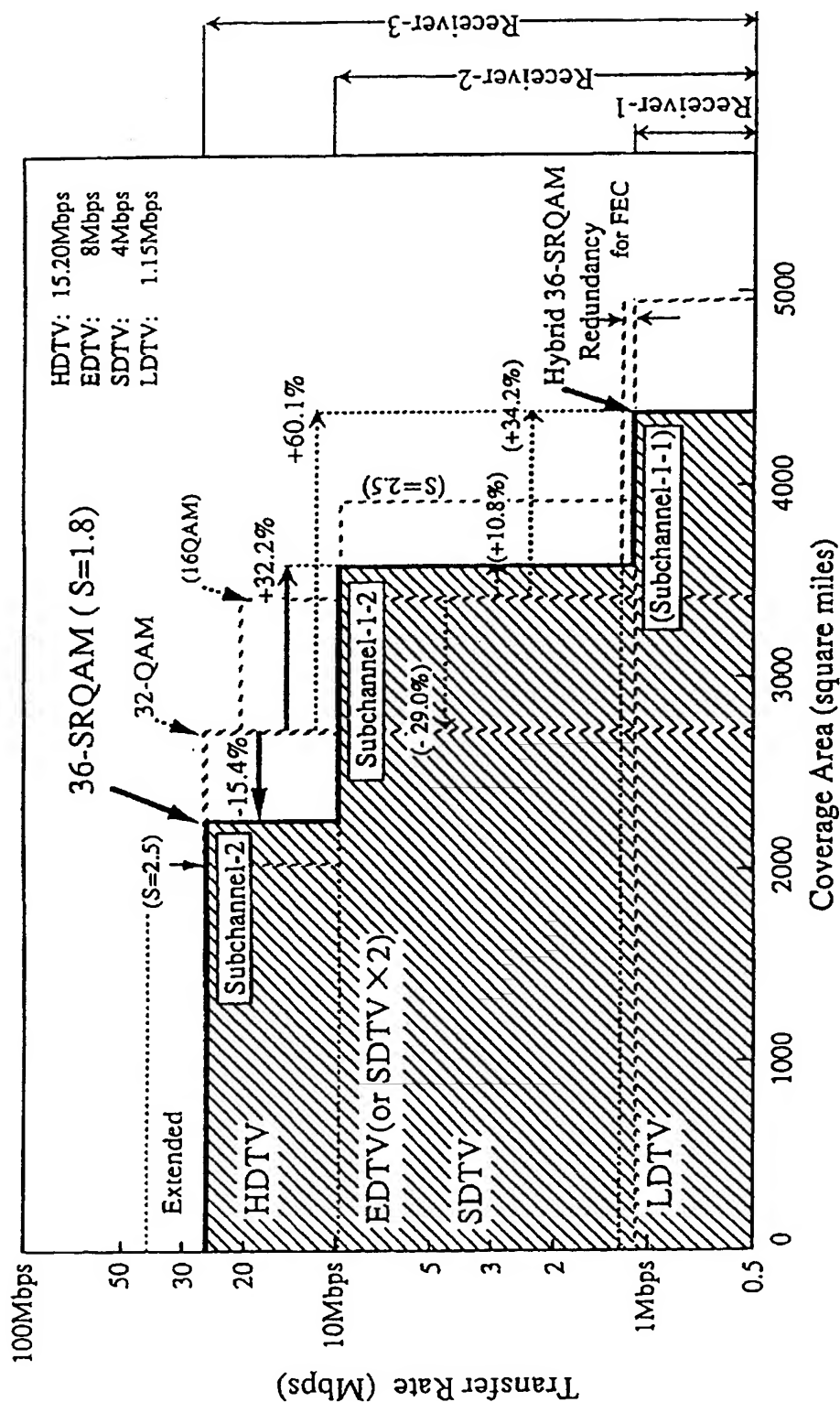


FIG. 136

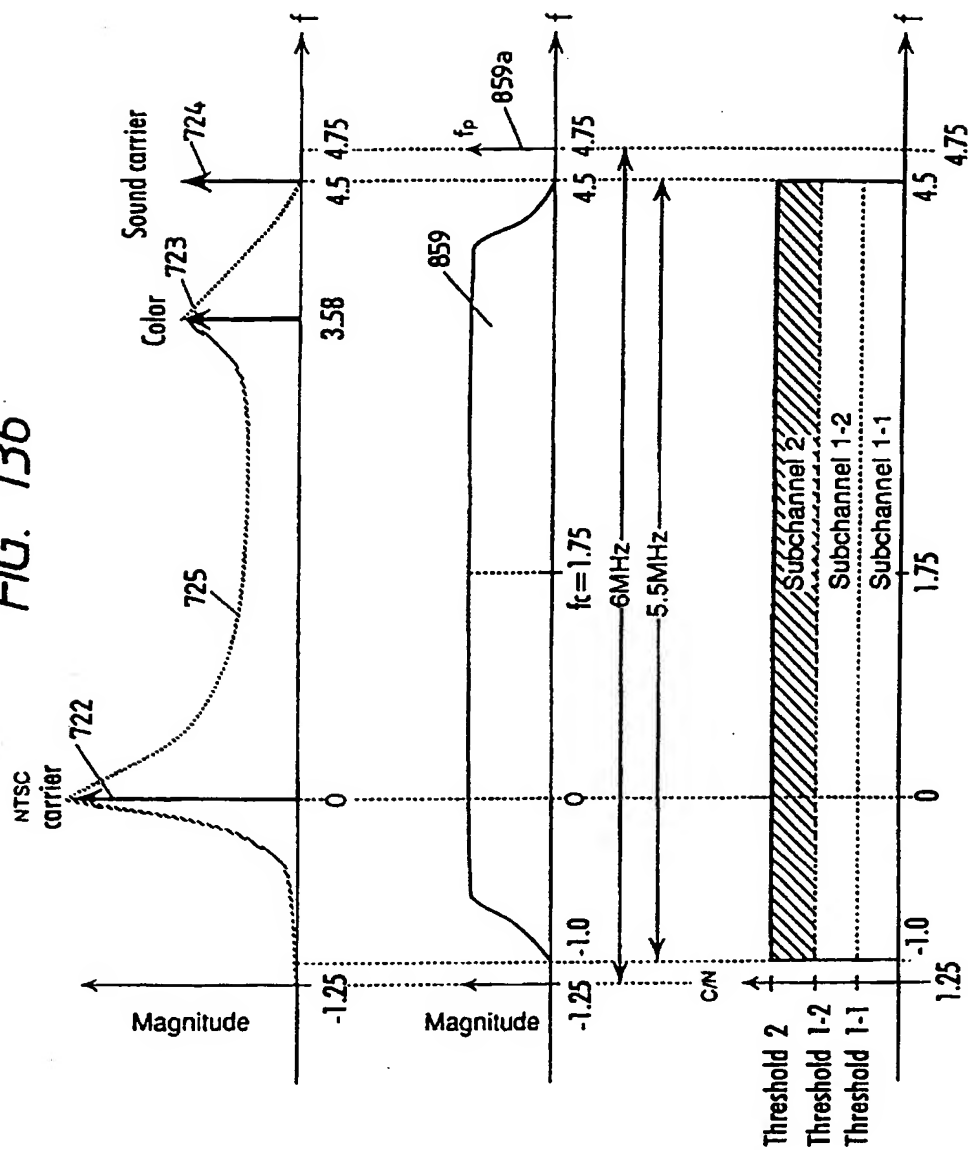


FIG. 137

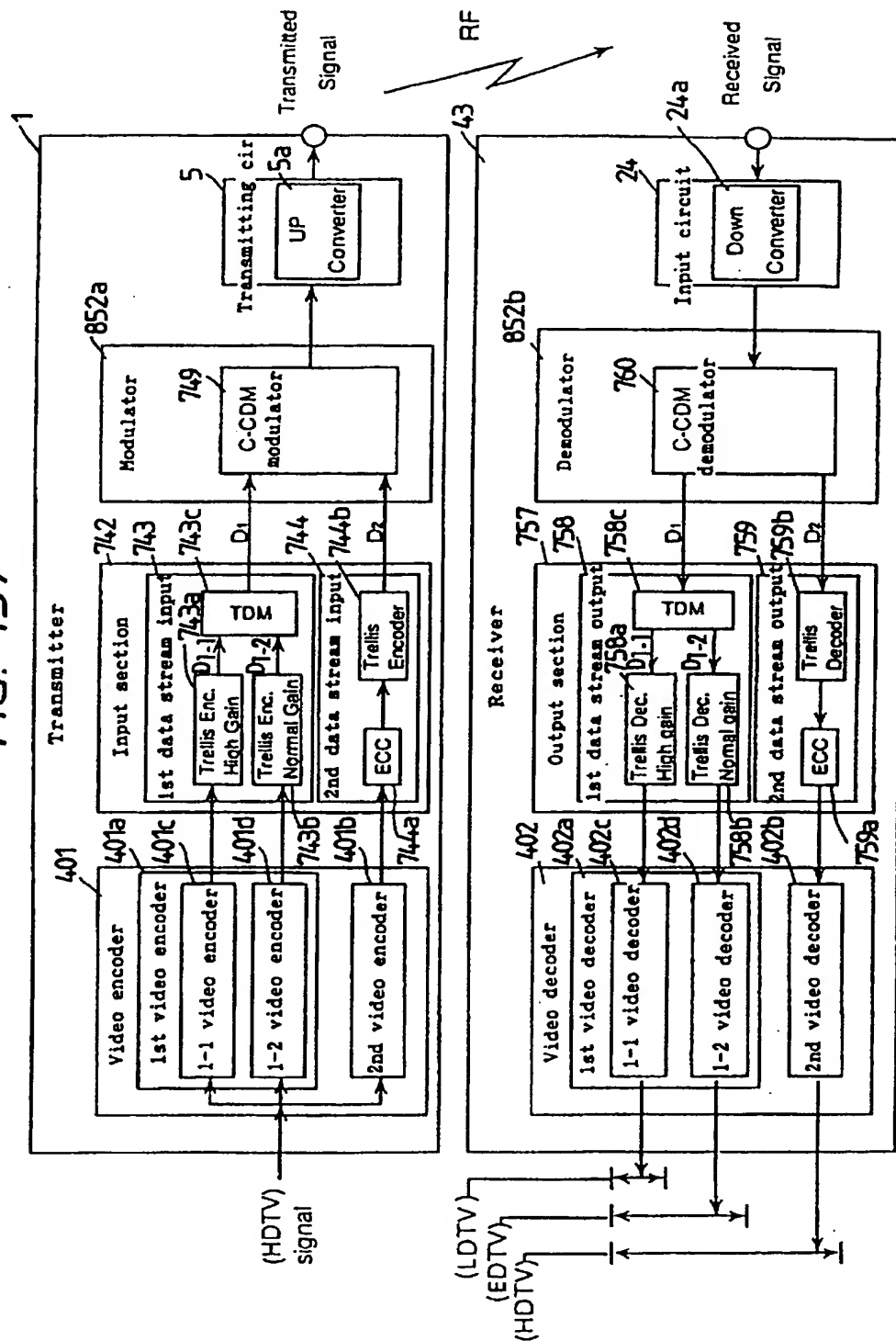


FIG. 138

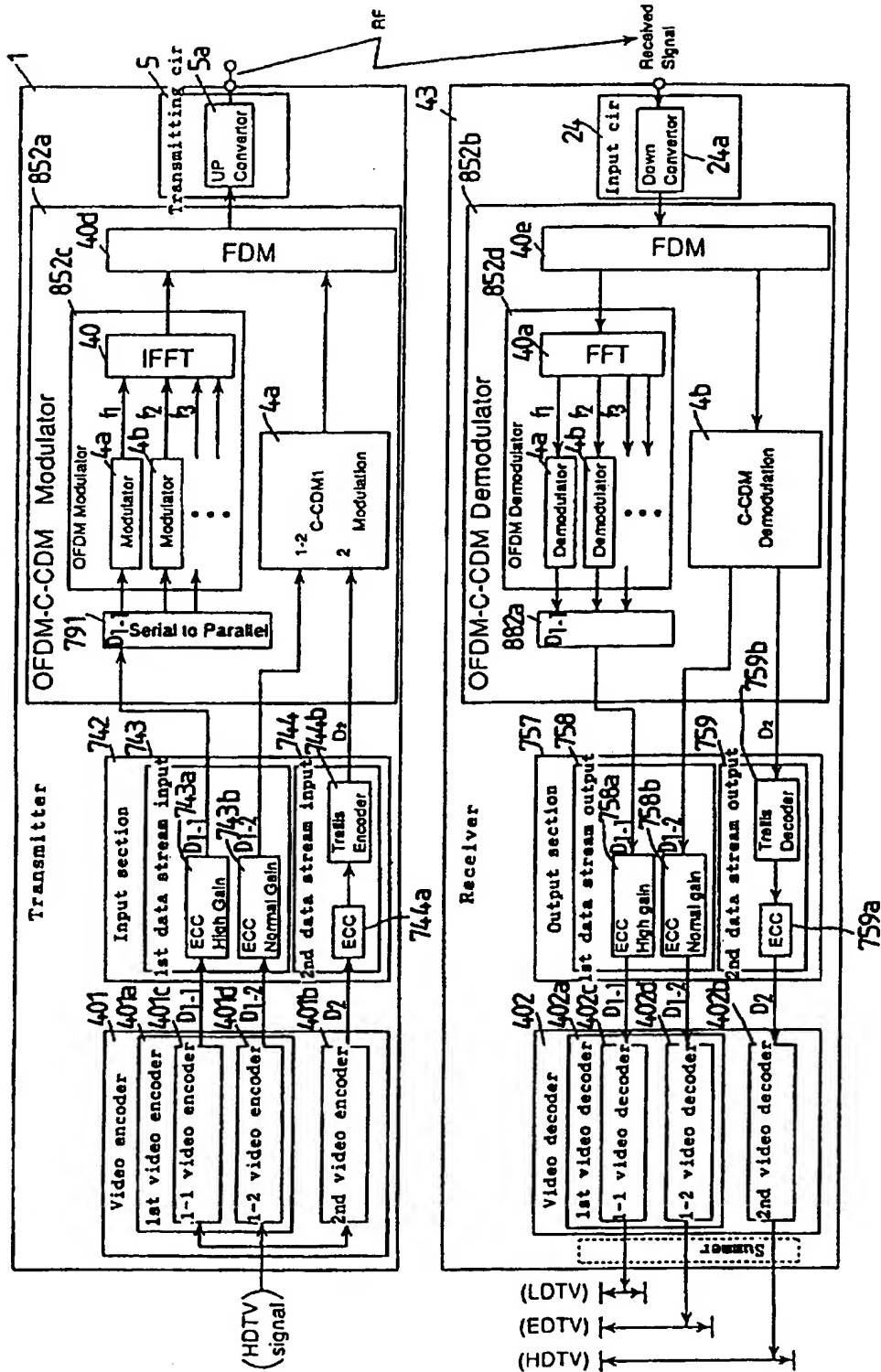


FIG. 139

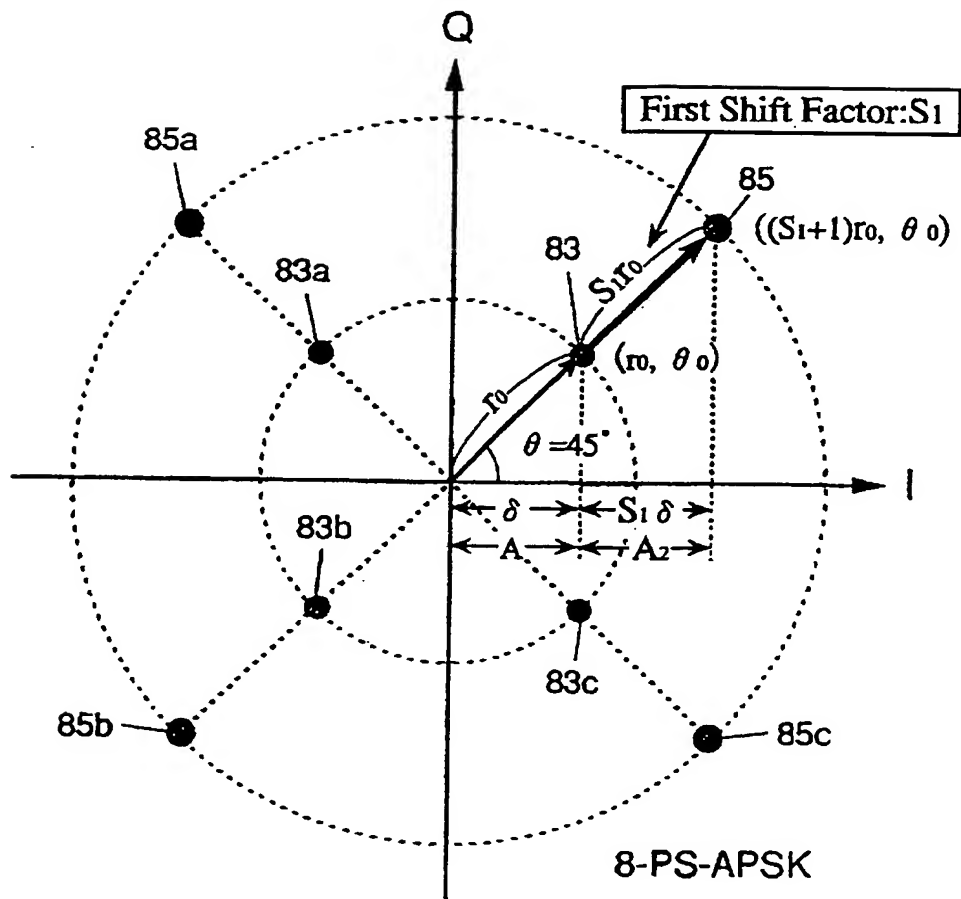




FIG. 140

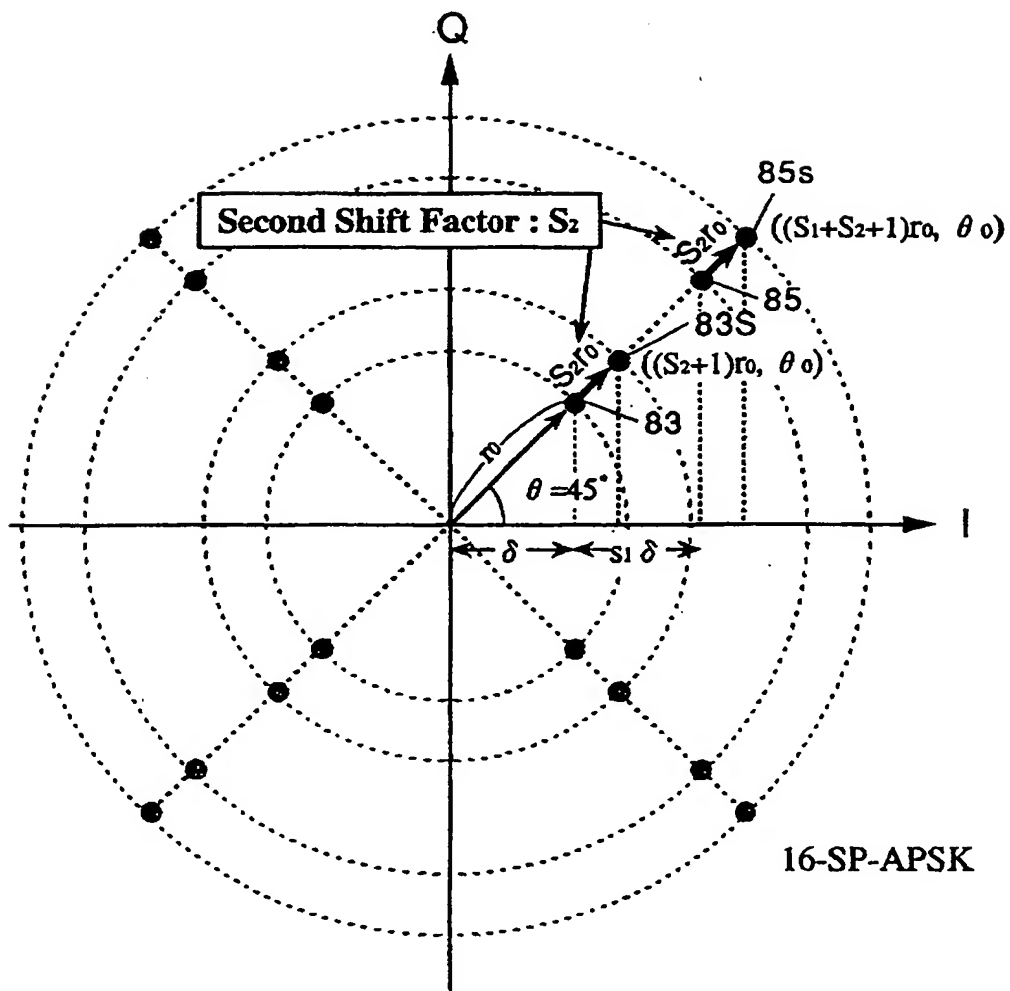


FIG. 141

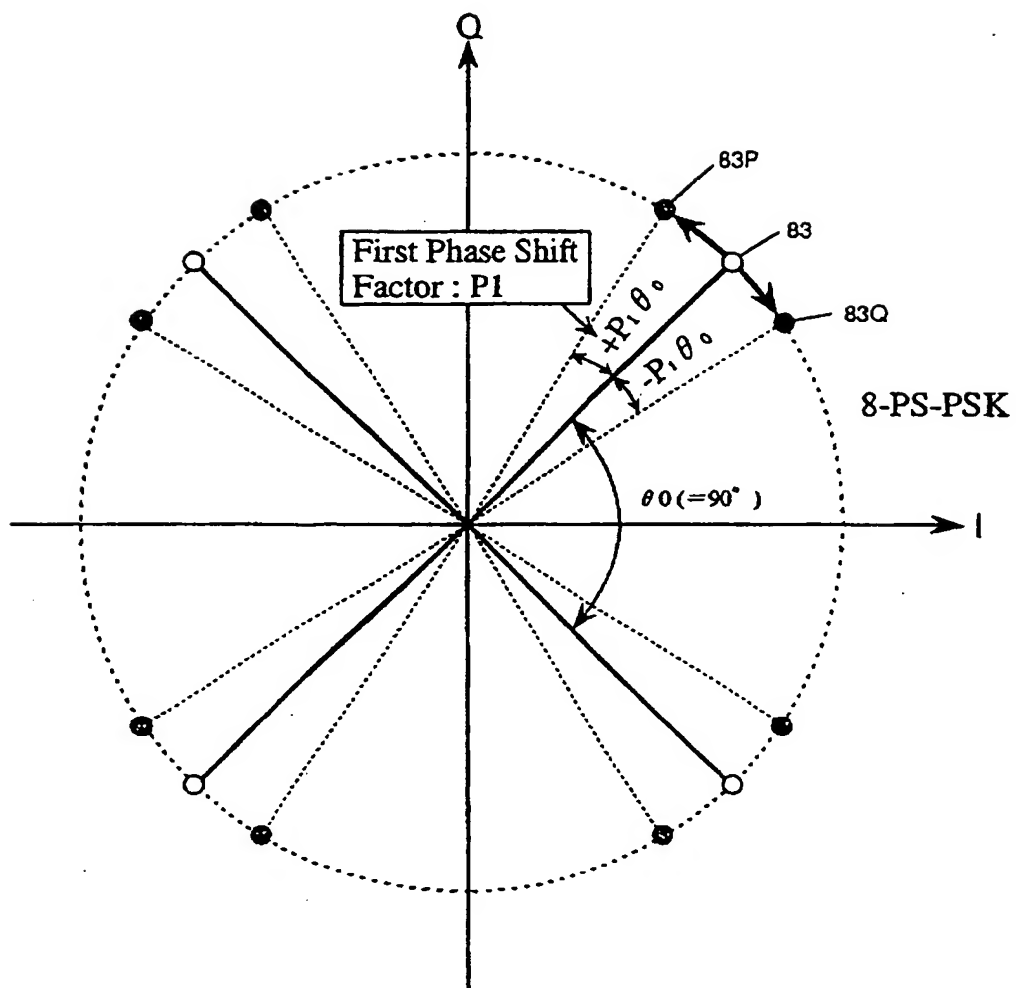


FIG. 142

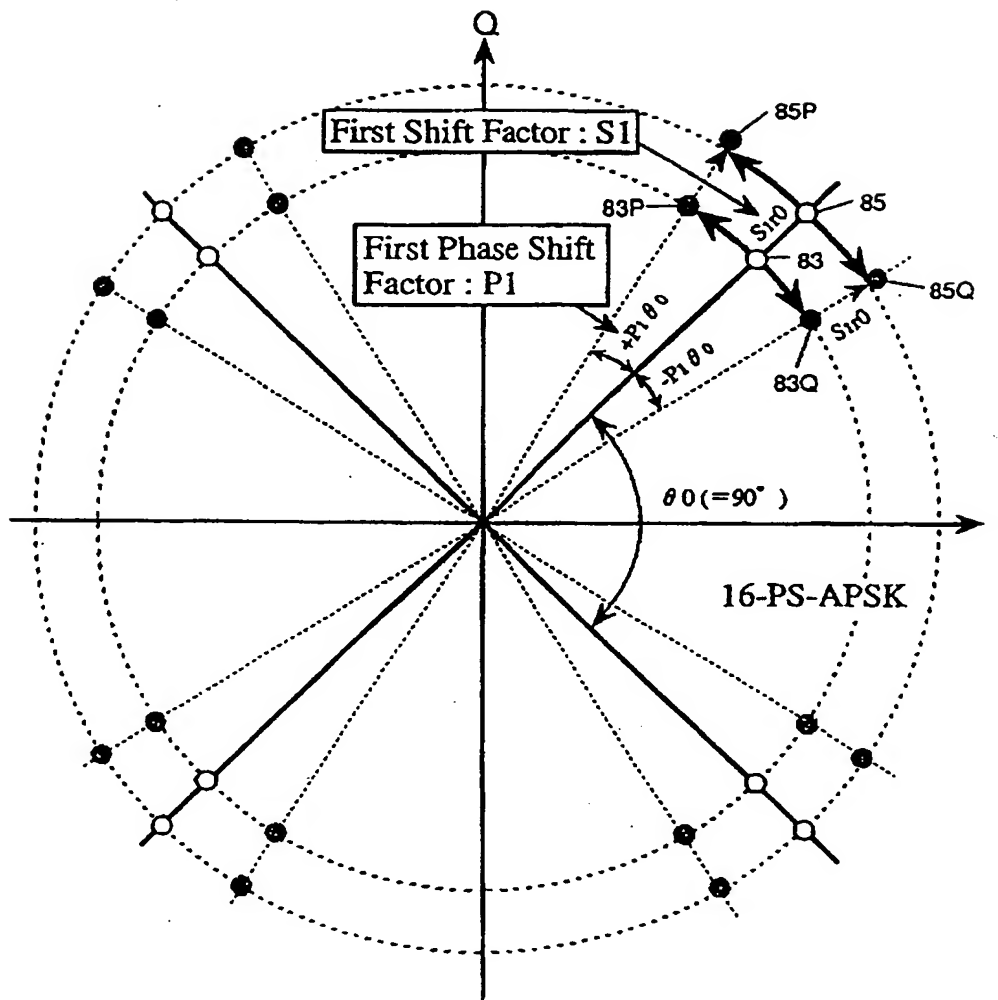


FIG. 143

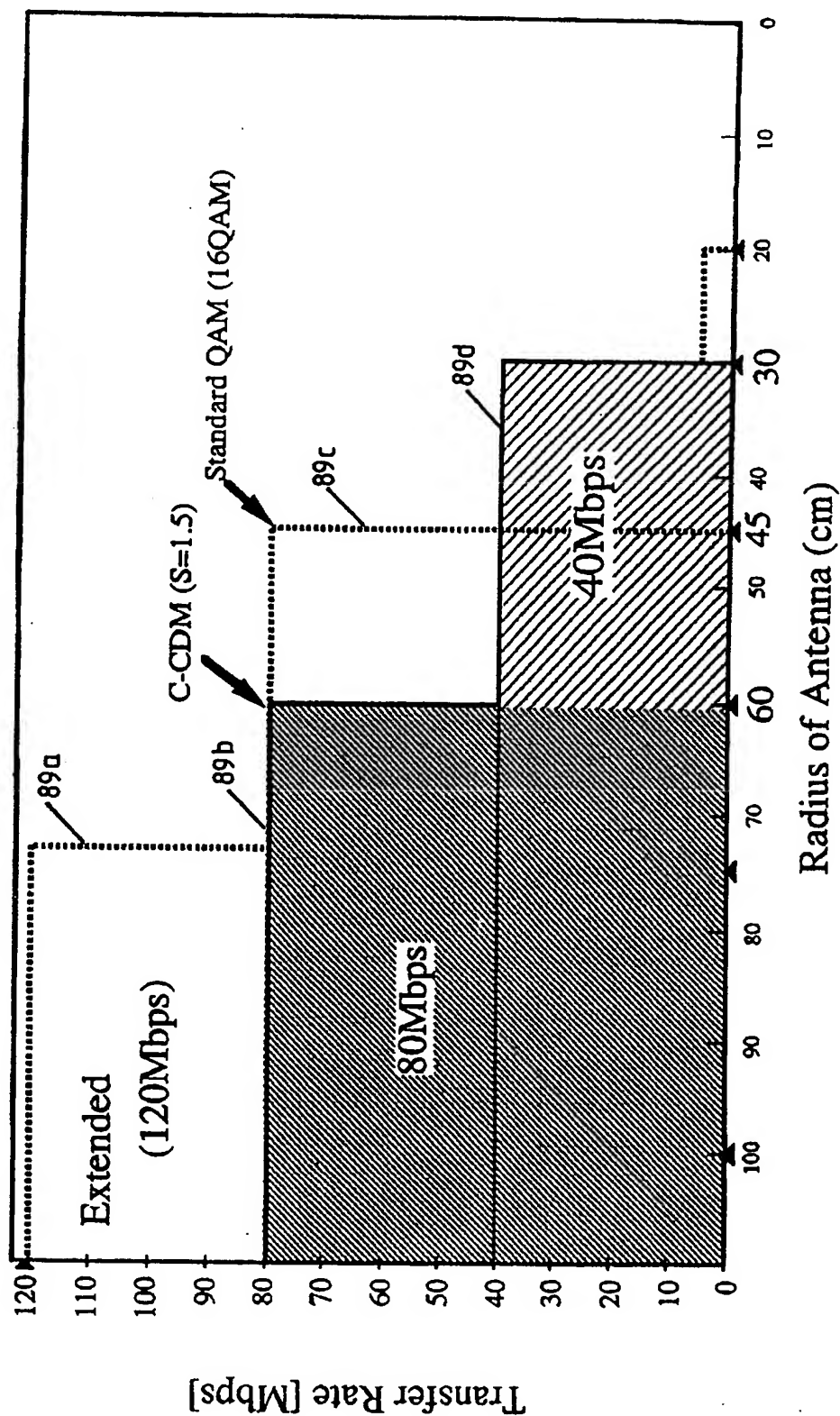


FIG. 144

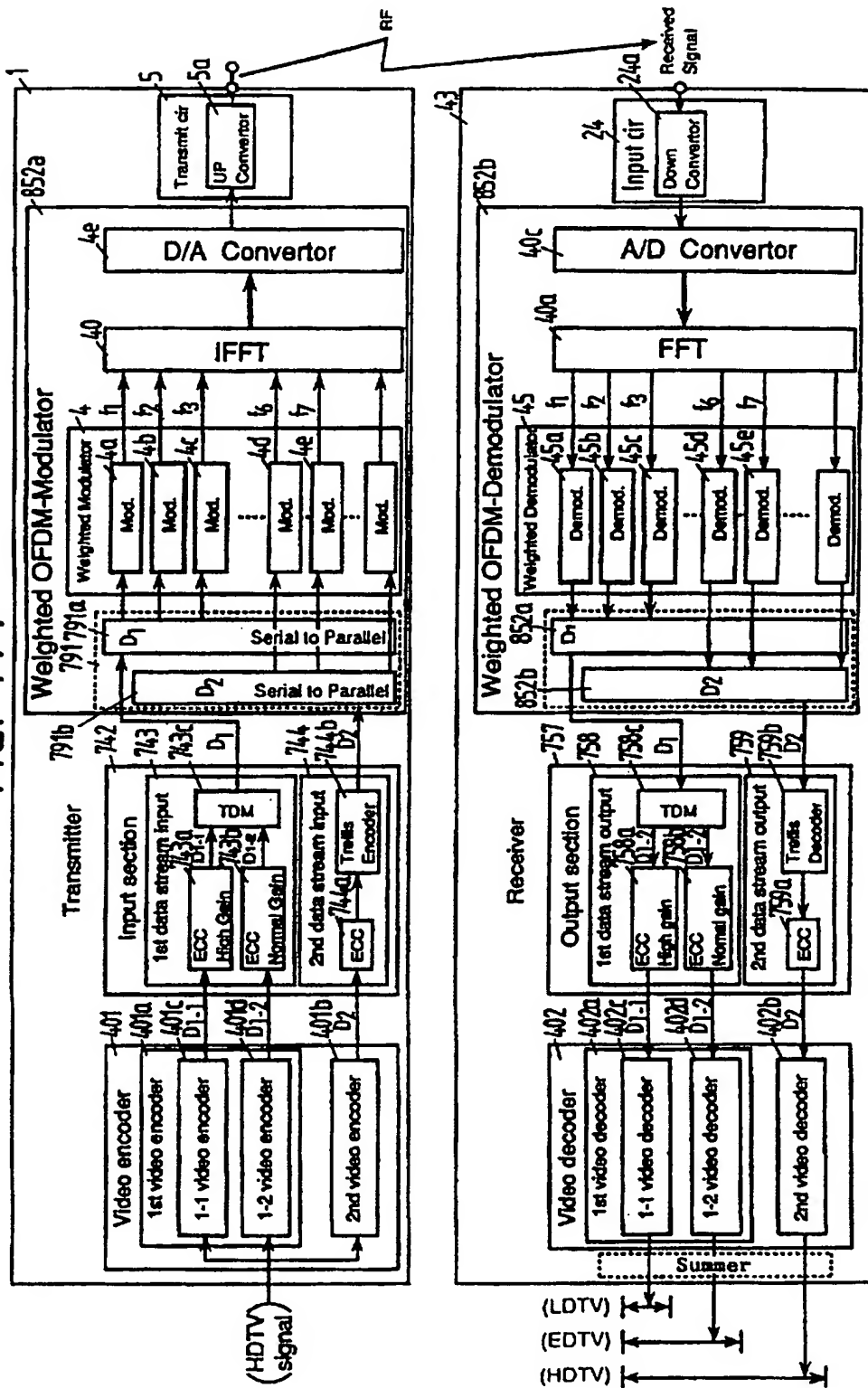


FIG. 145(a)

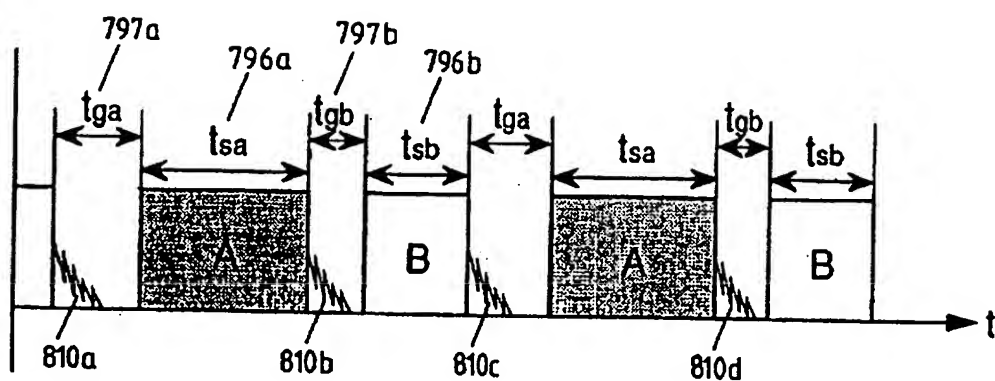
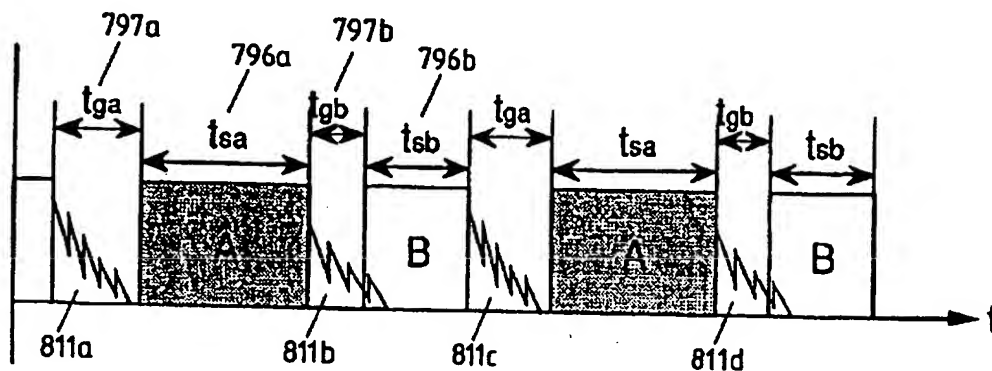
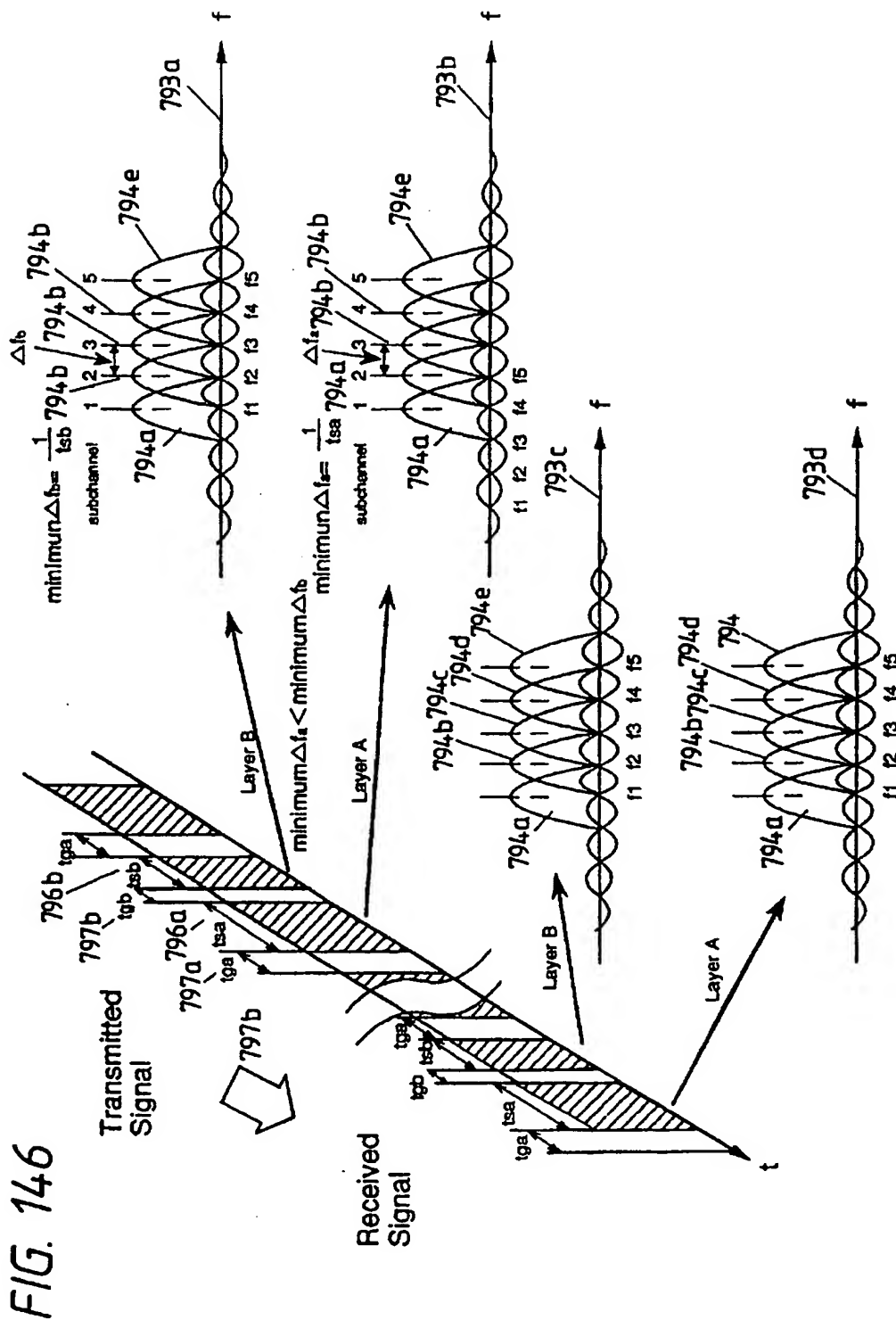


FIG. 145(b)





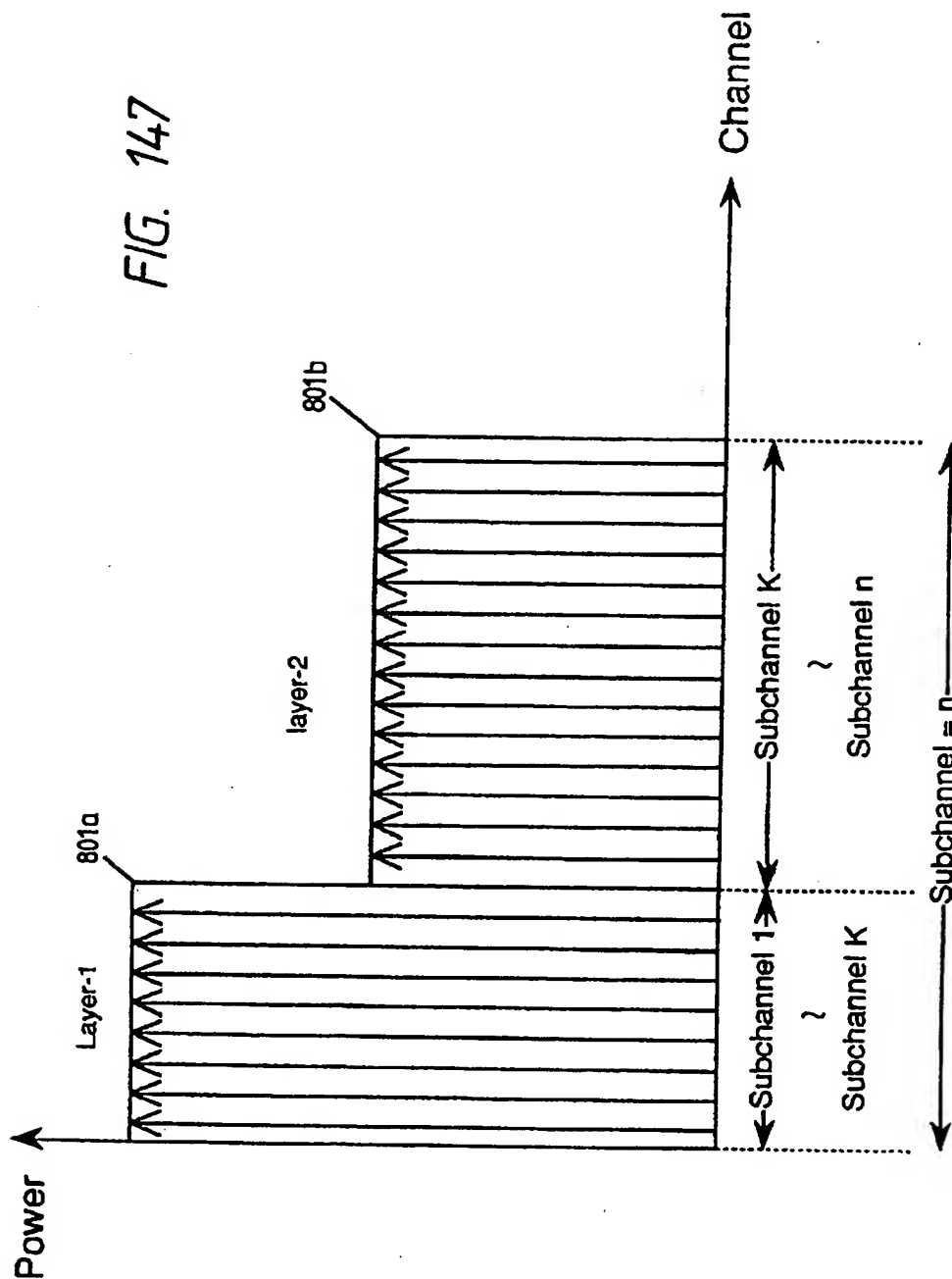
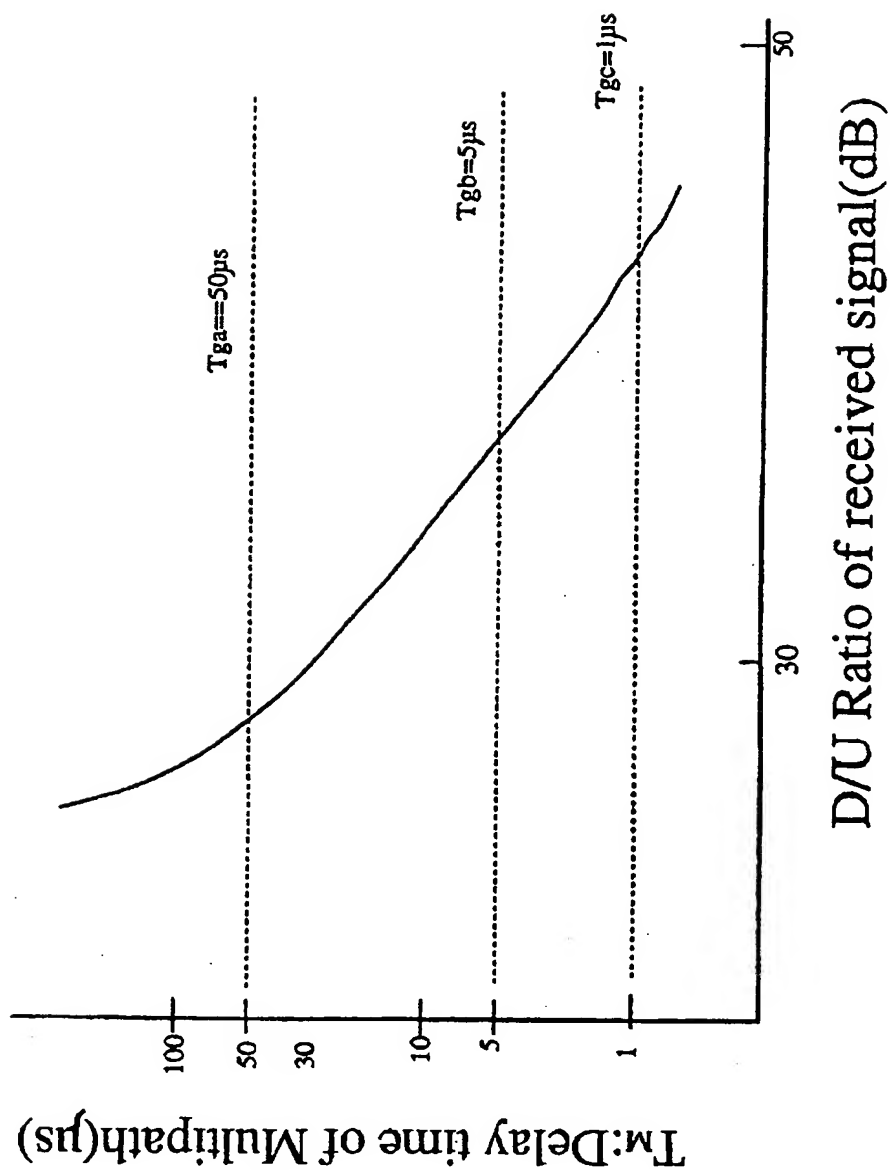




FIG. 148



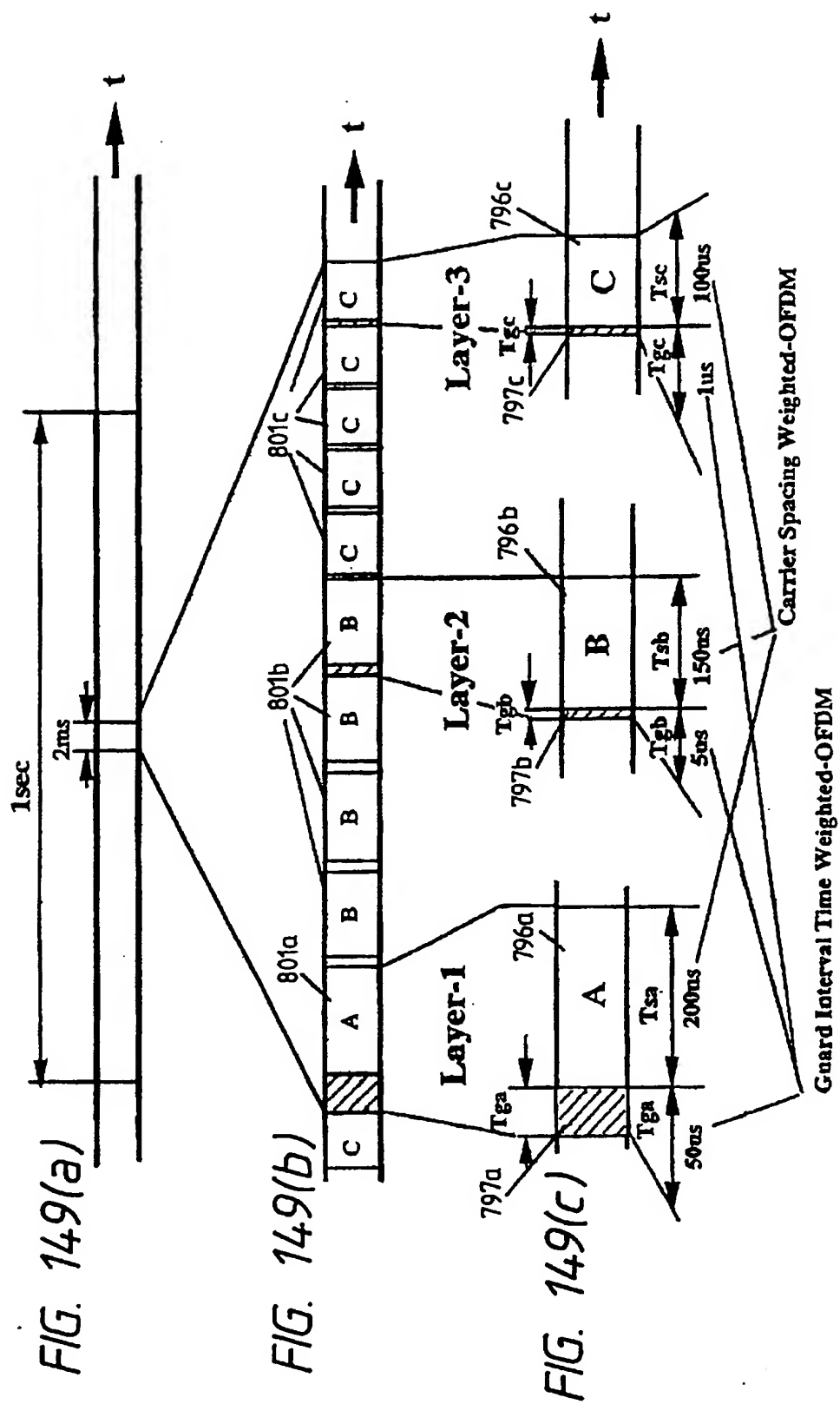


FIG. 150

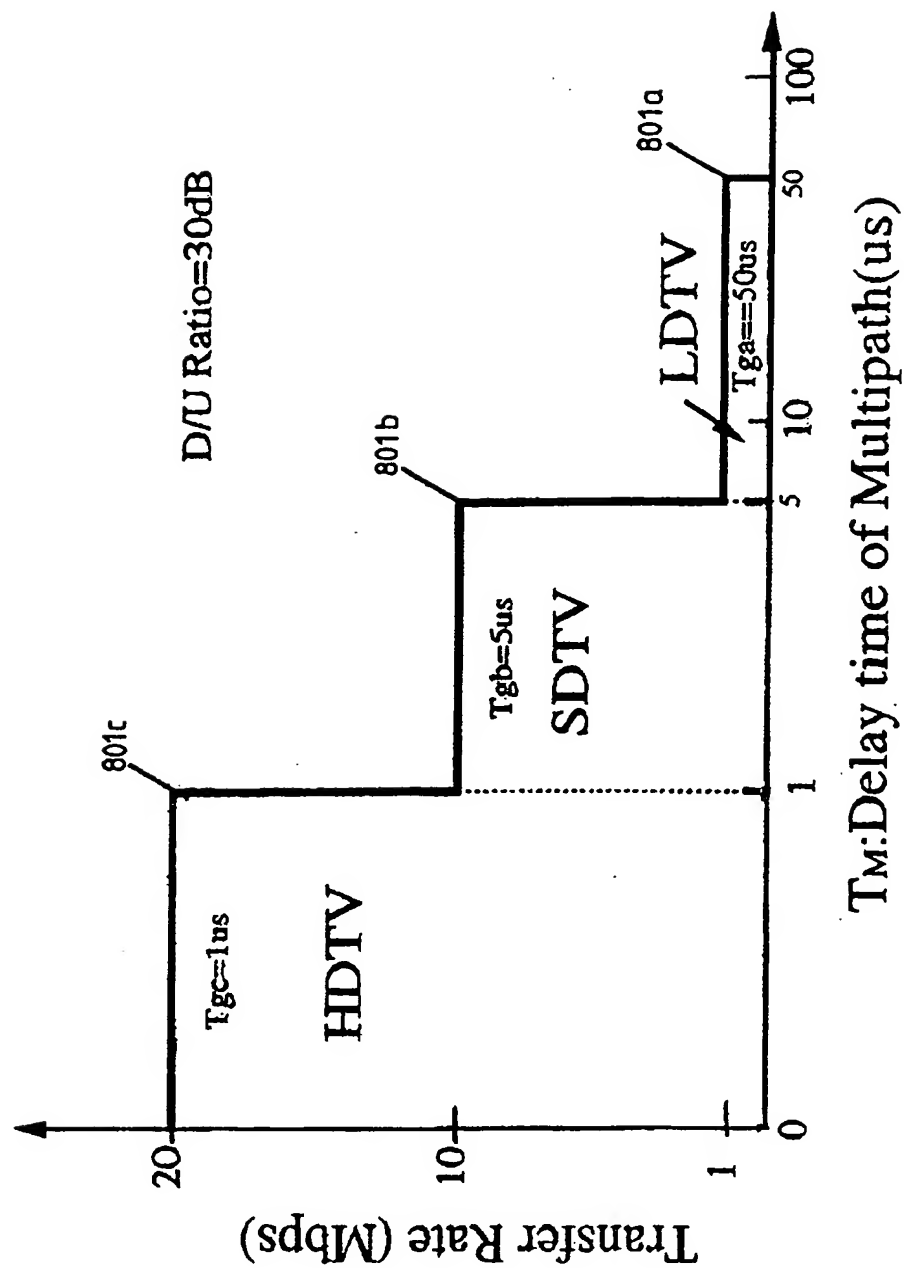


FIG. 151

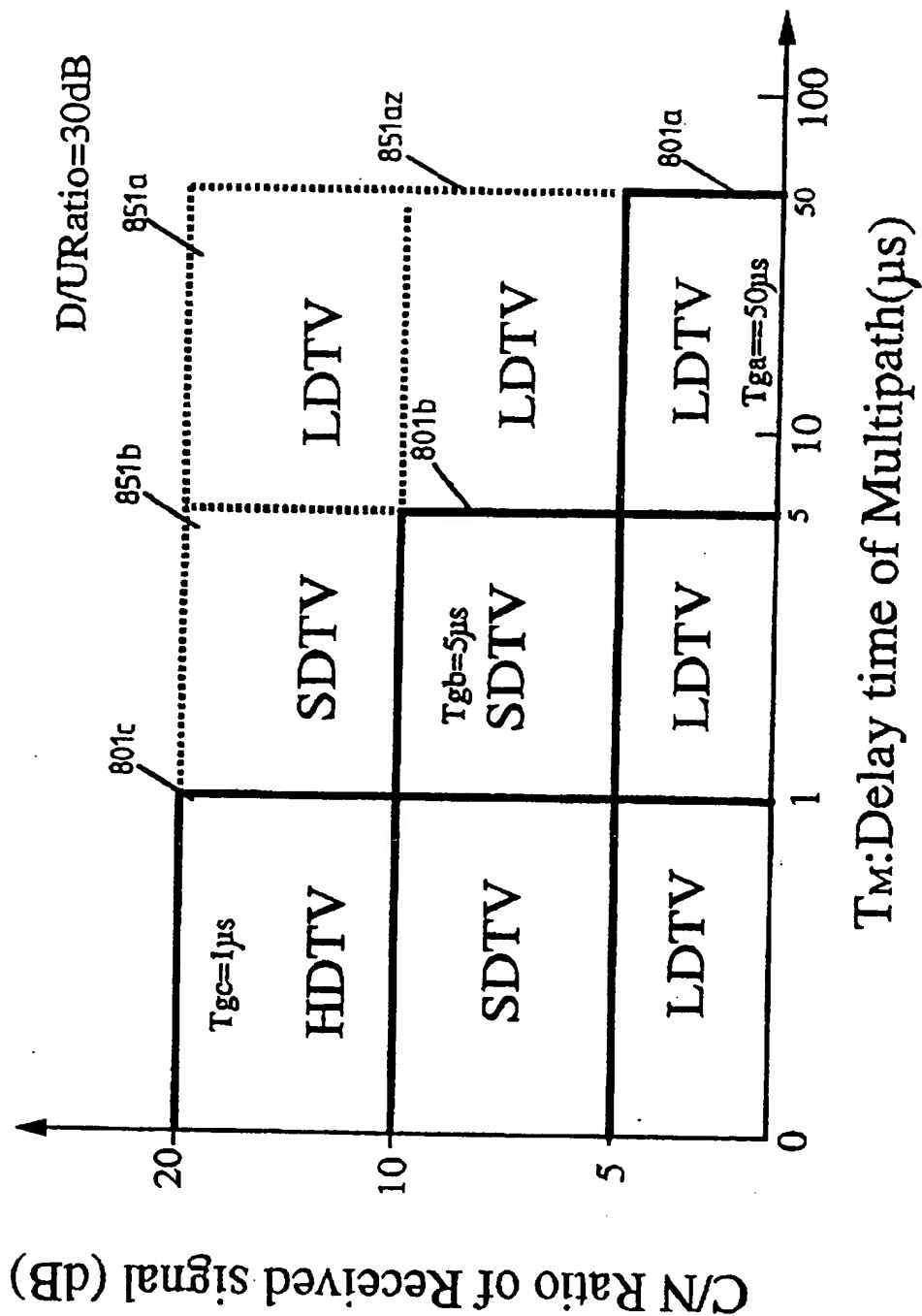
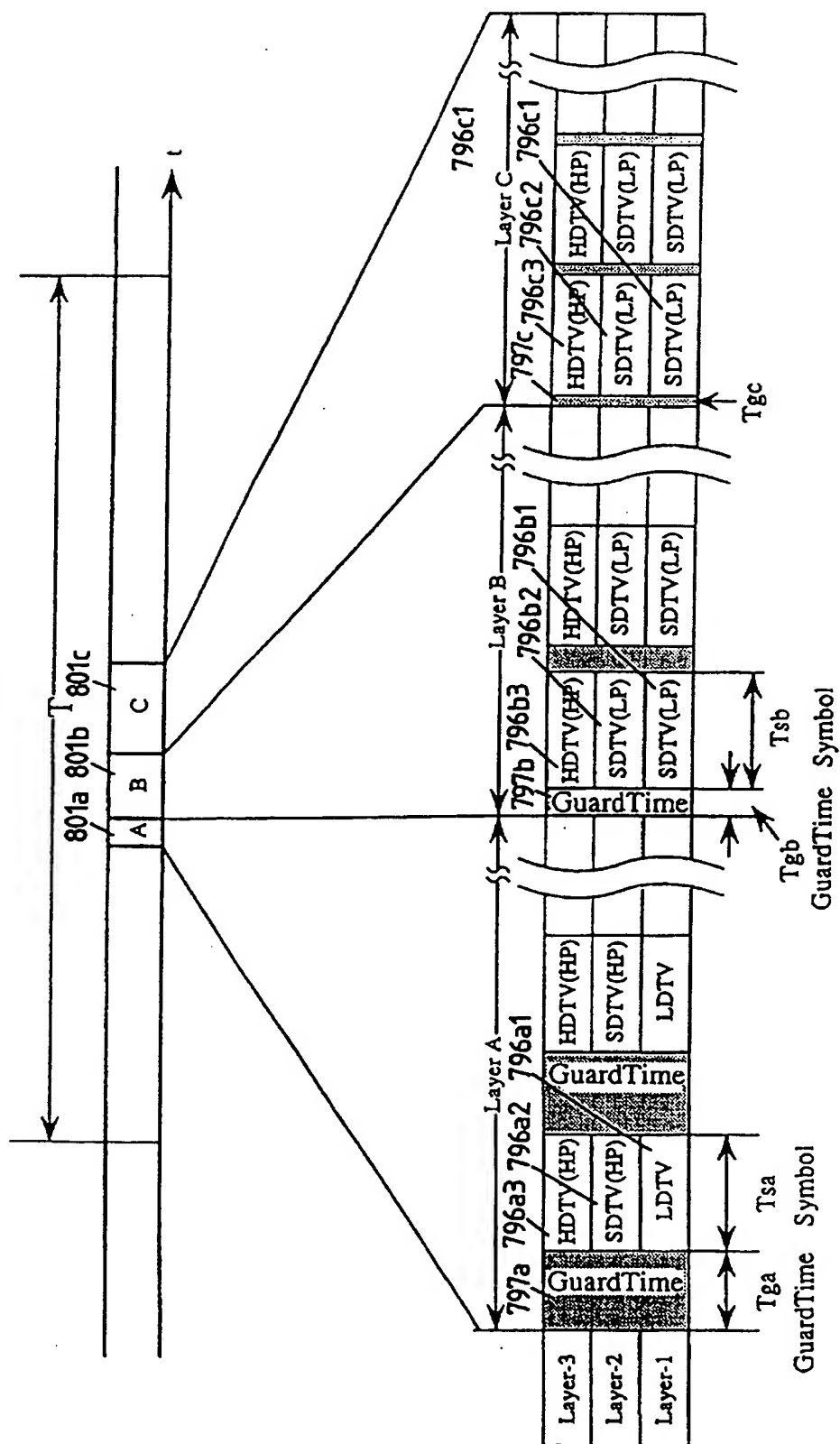
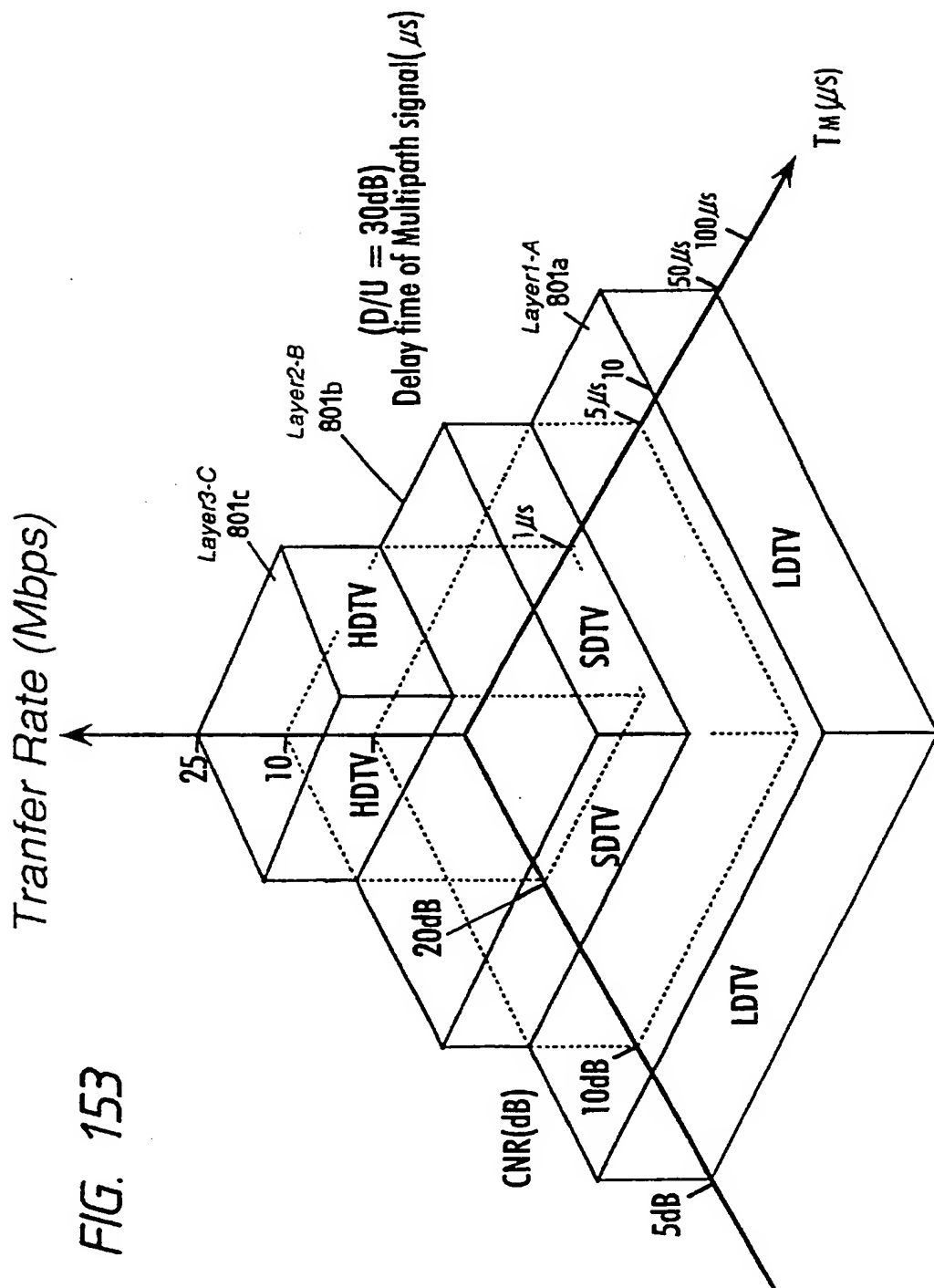


FIG. 152





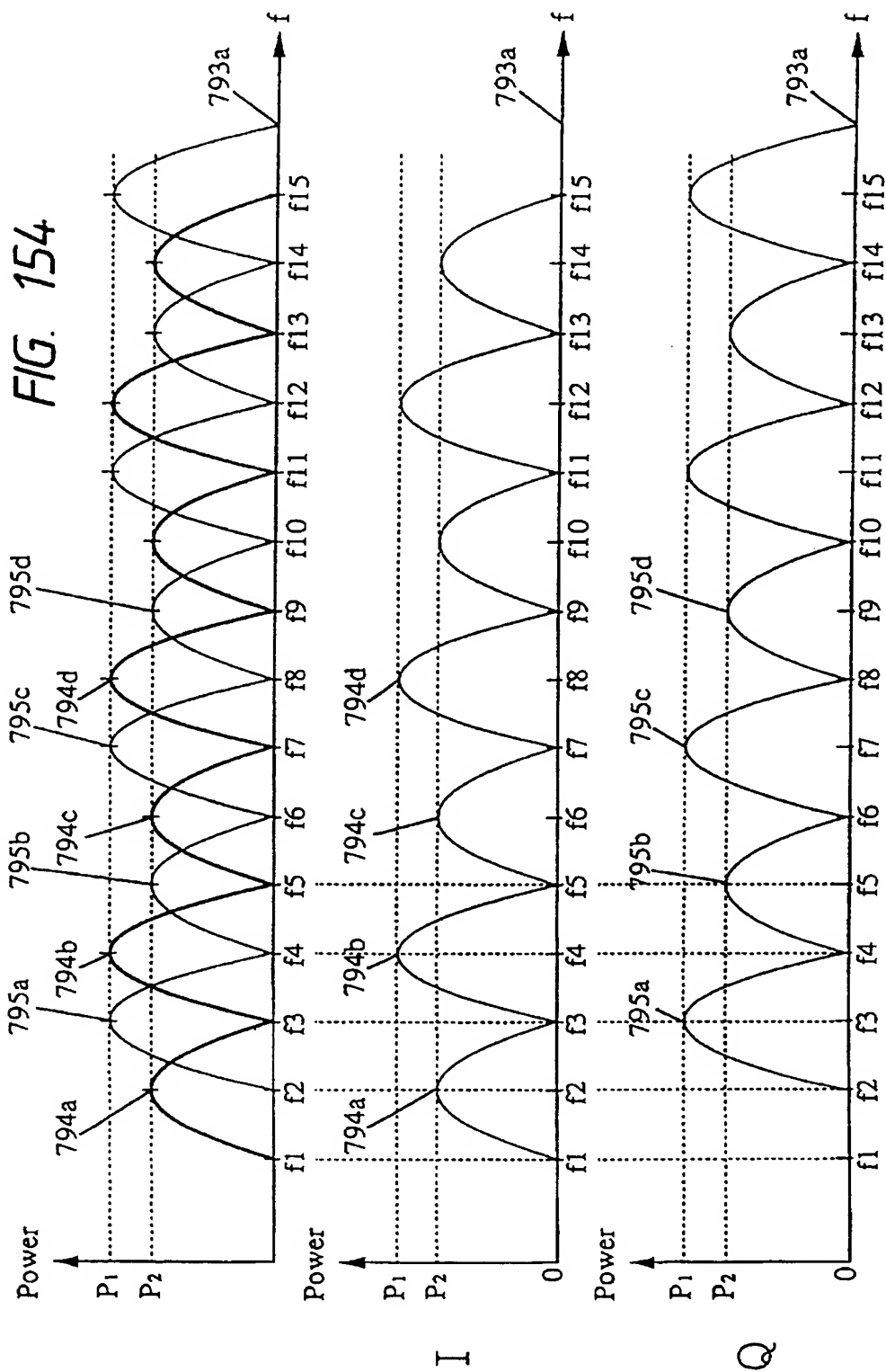


FIG. 155

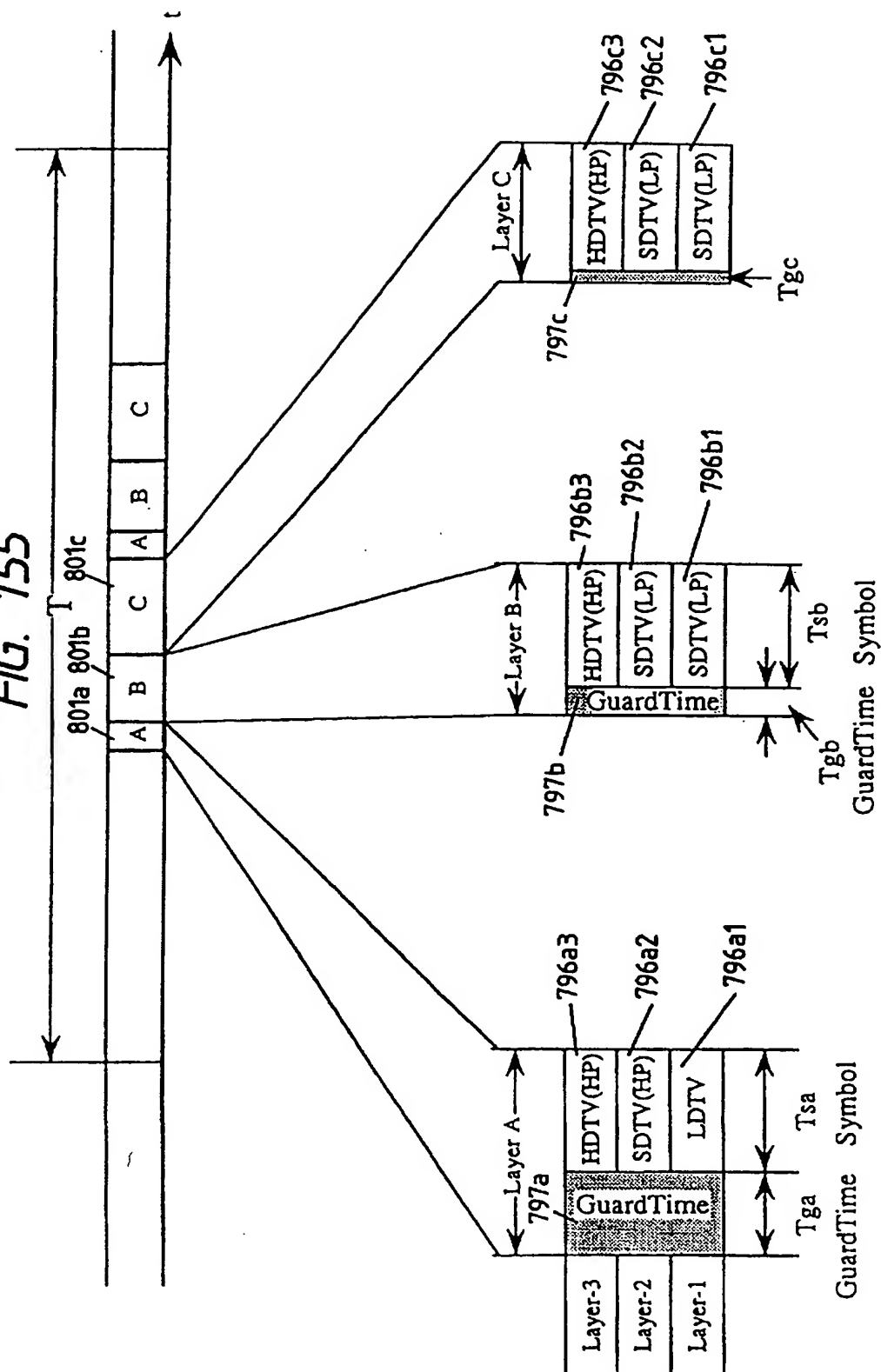




FIG. 156

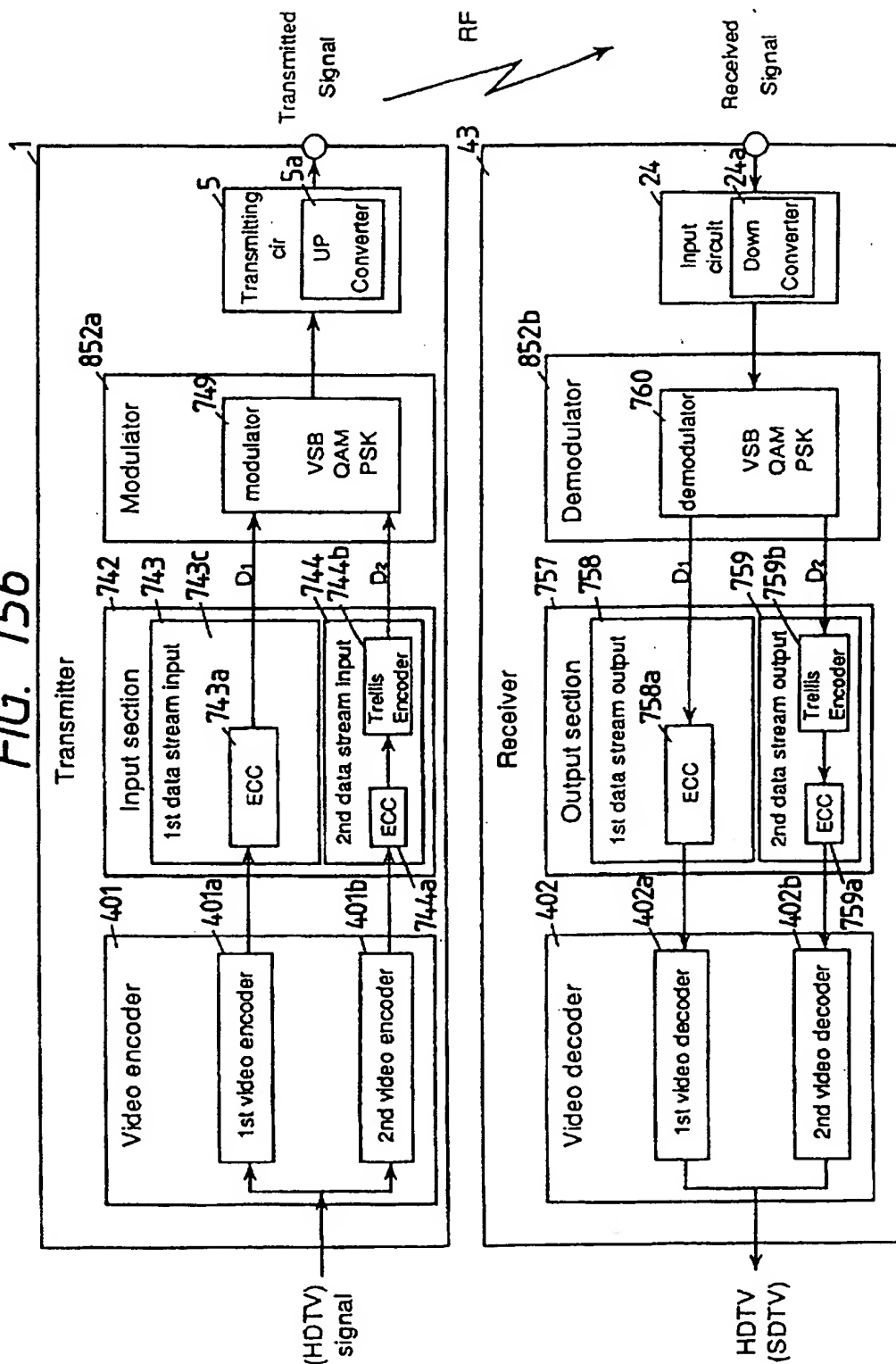


FIG. 157

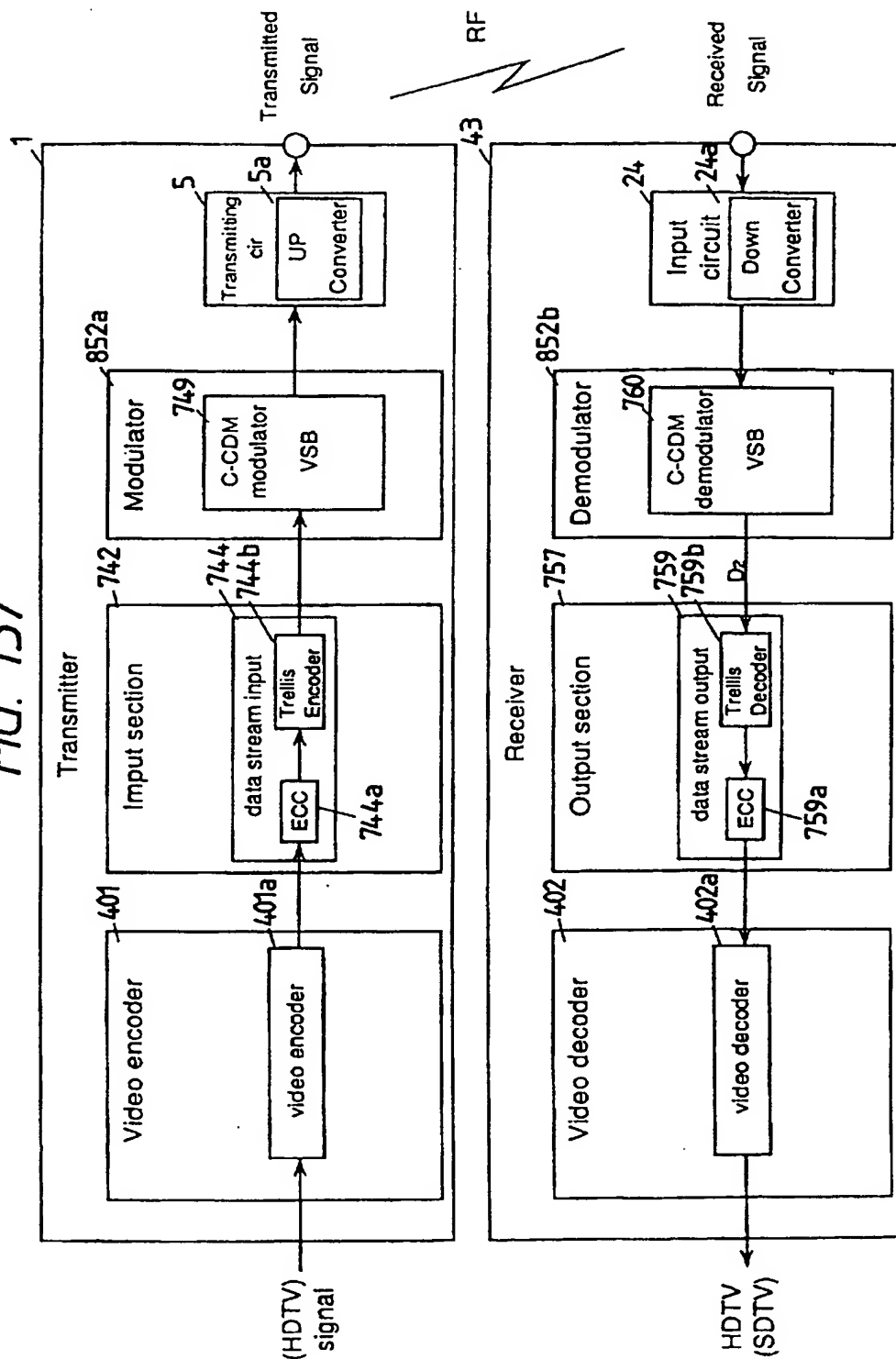
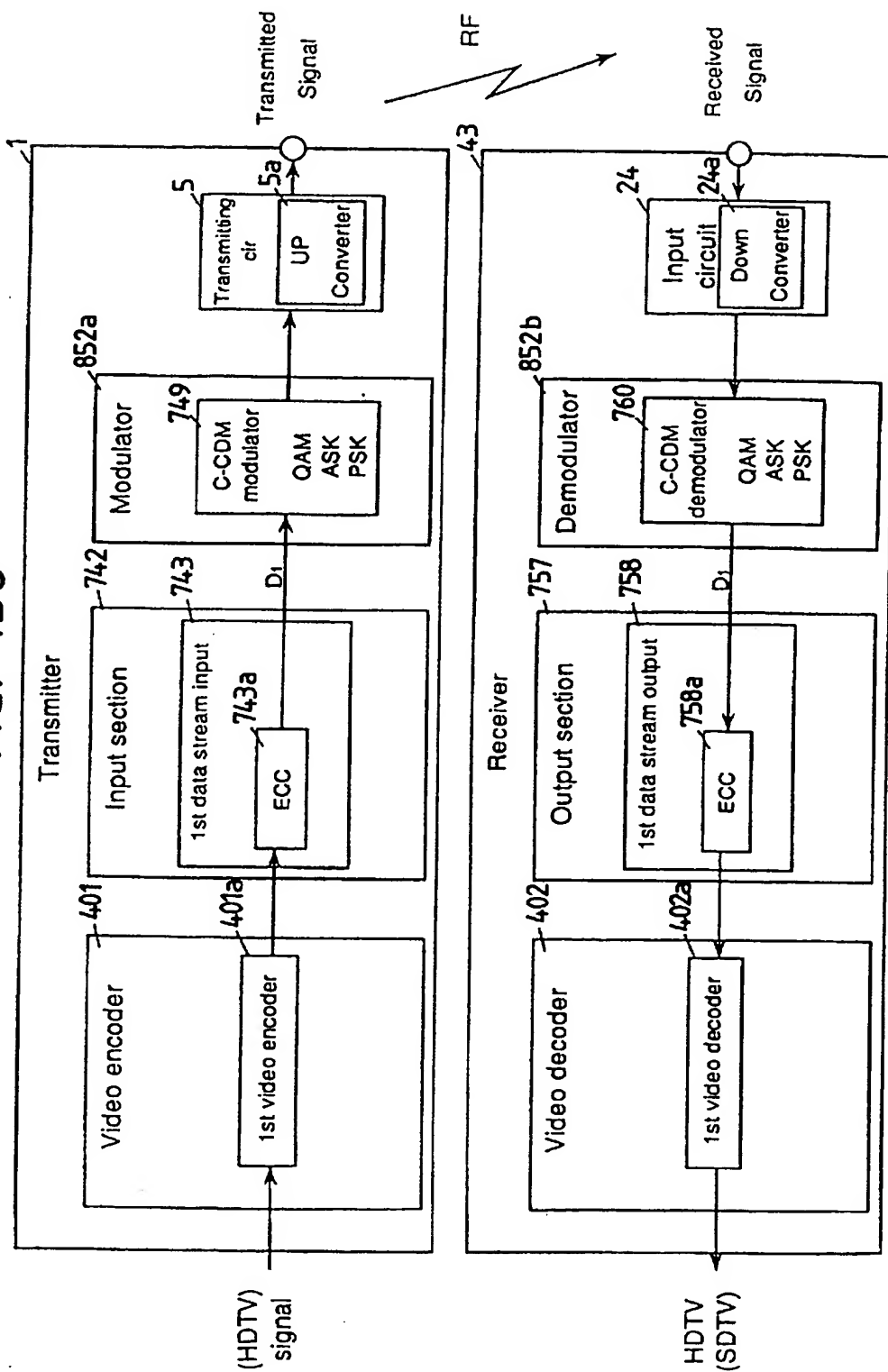
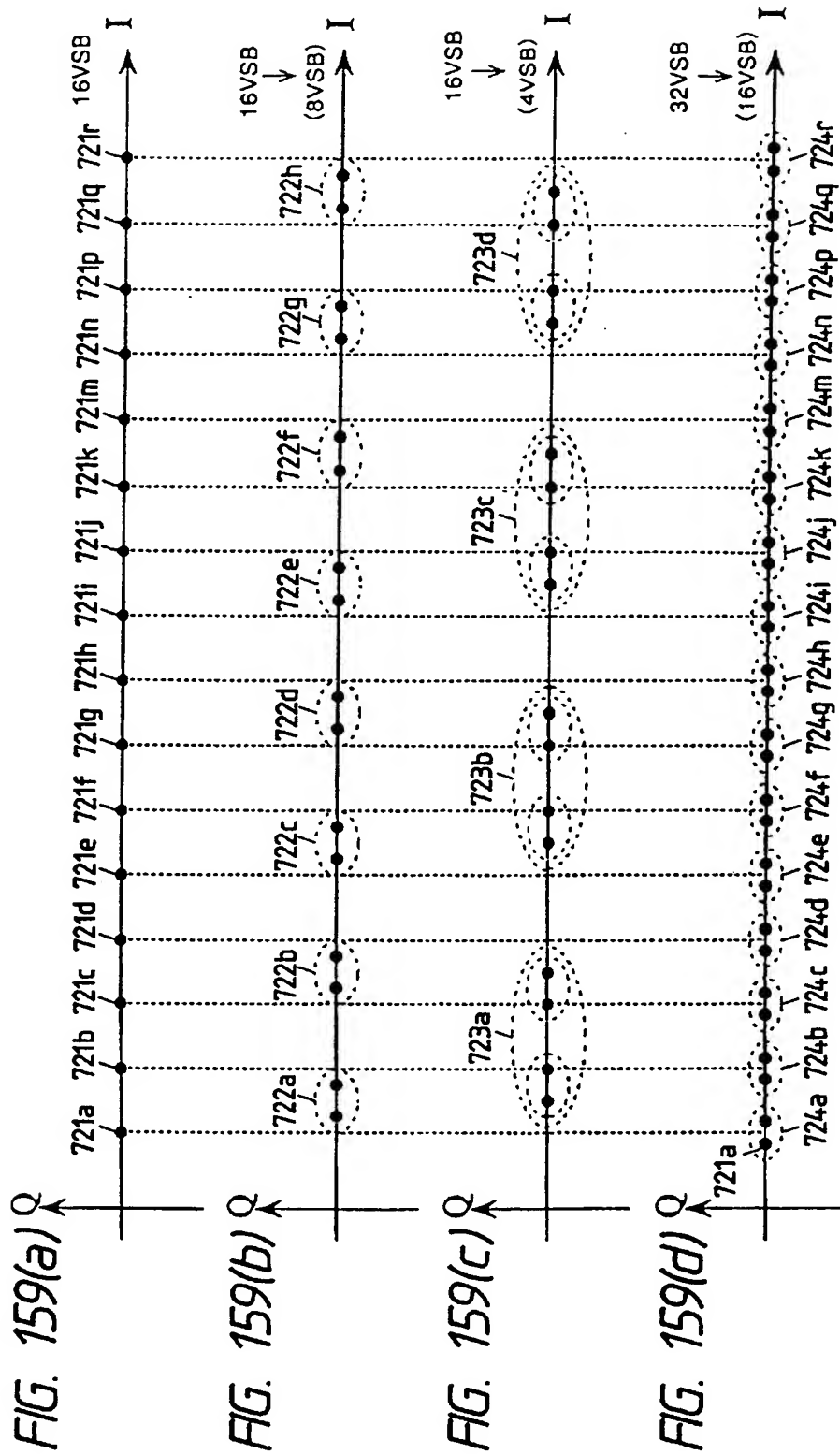


FIG. 158





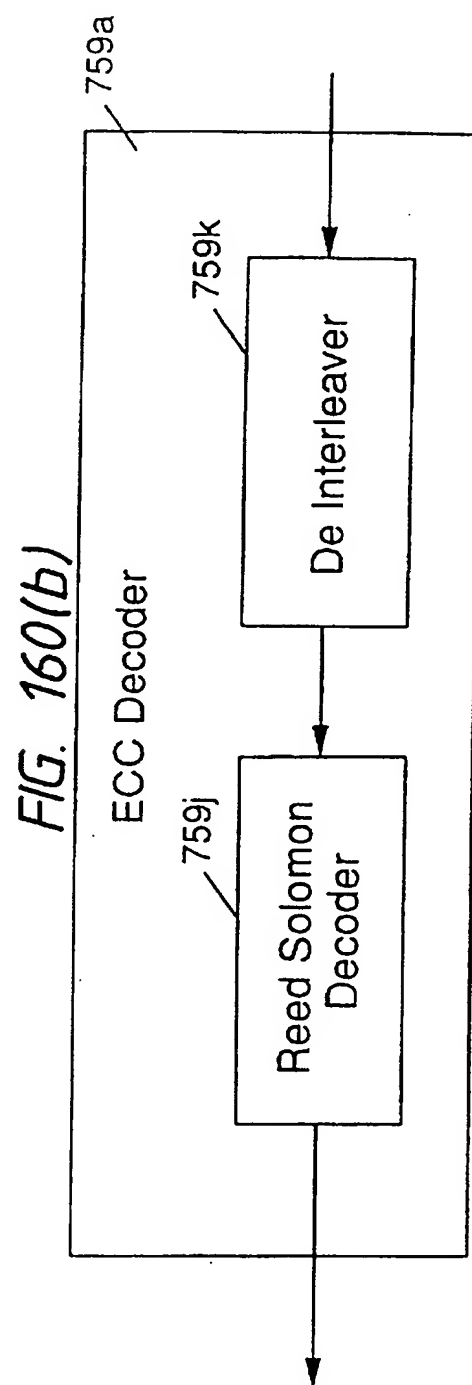
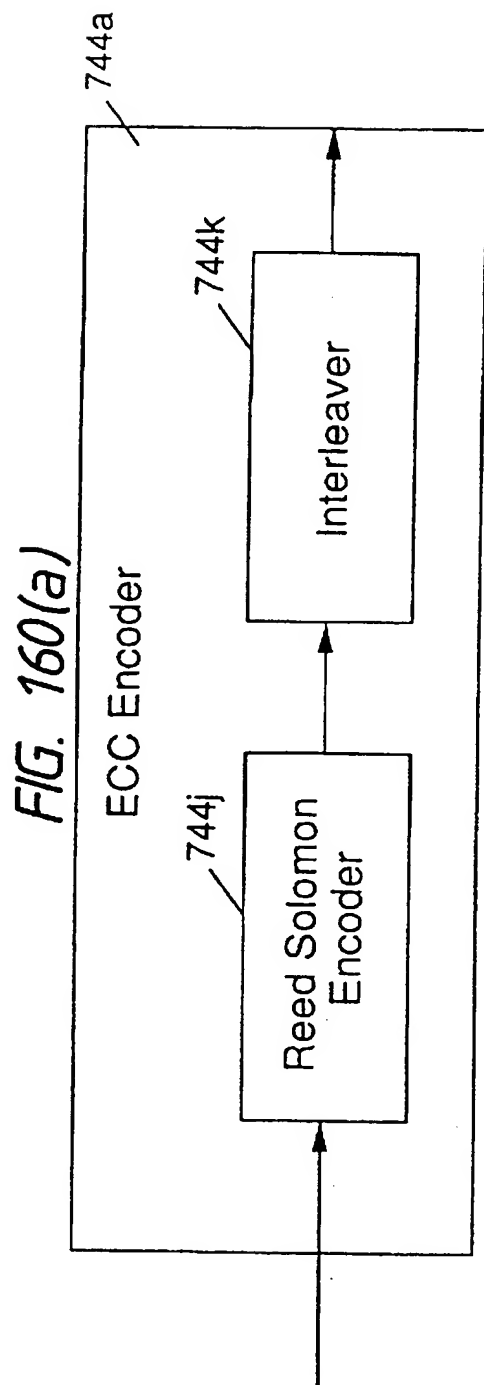


FIG. 161

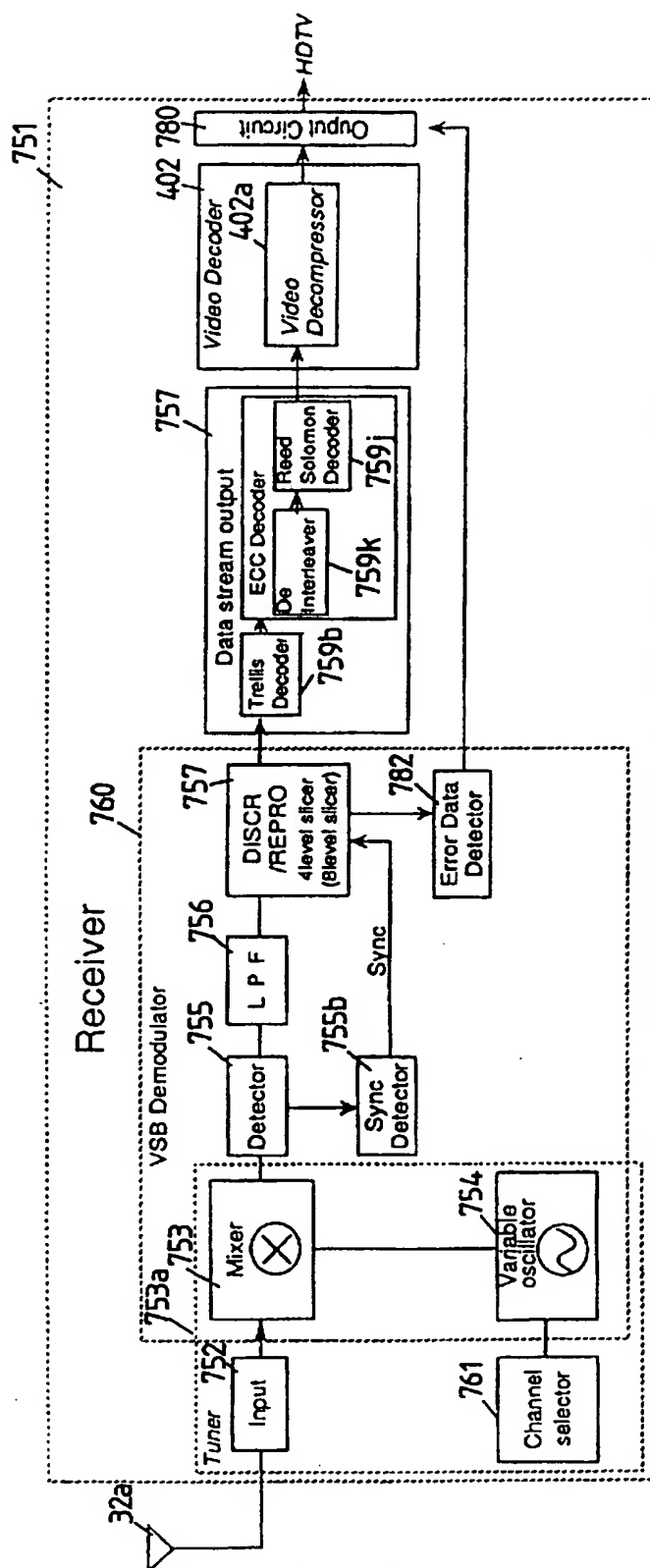


FIG. 162

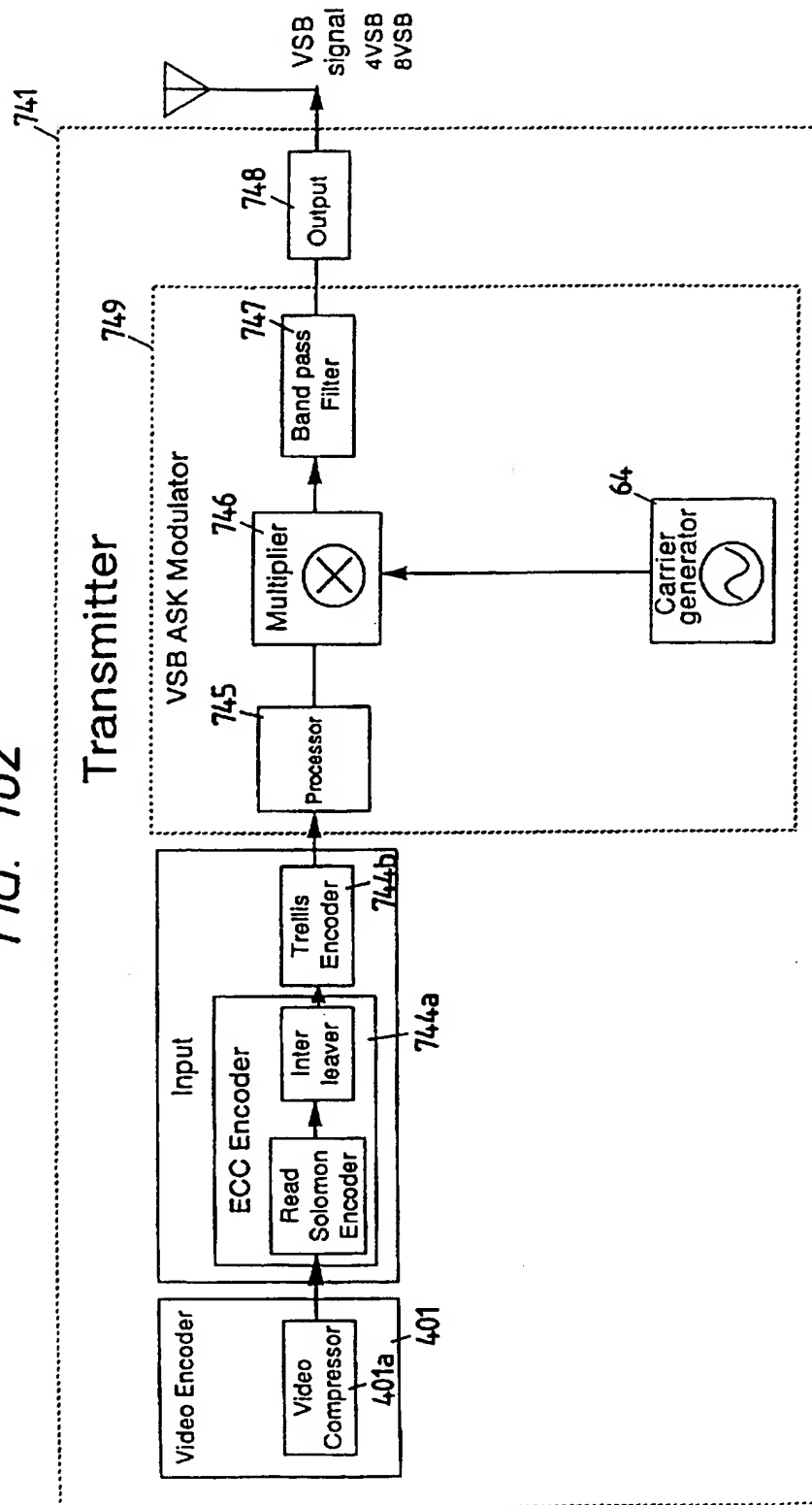


FIG. 163

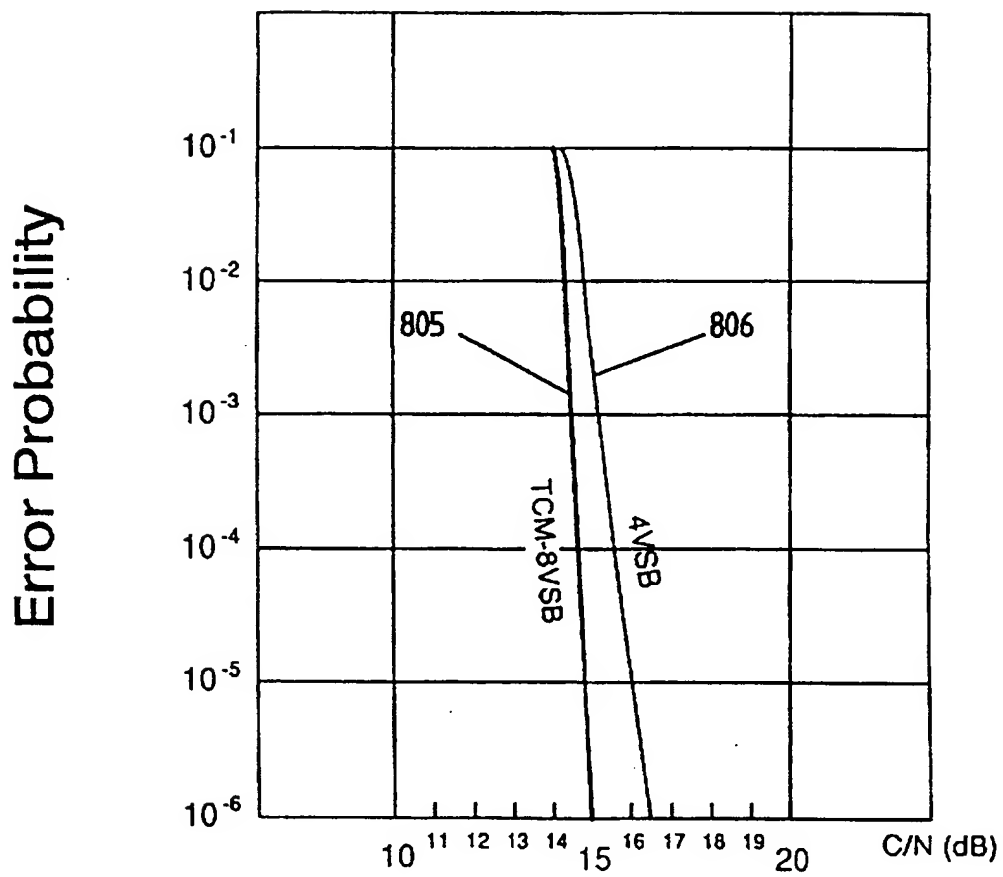




FIG. 164

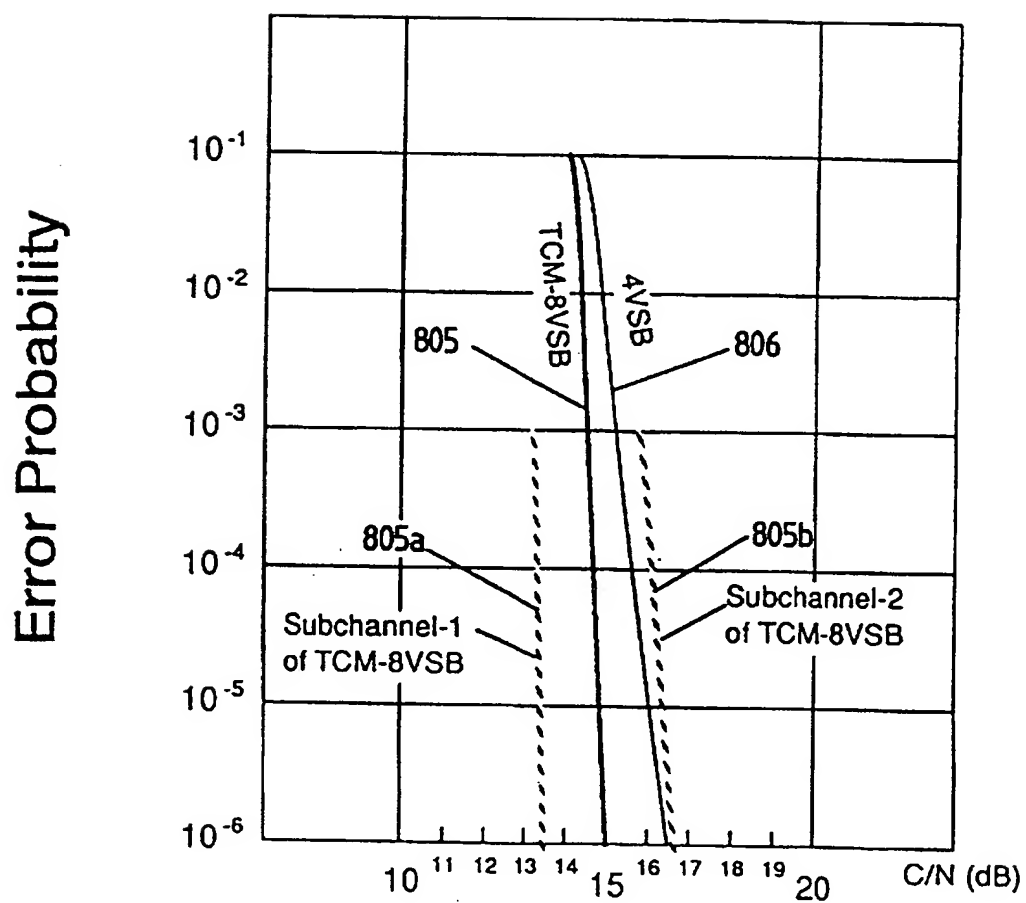


FIG. 165(a)

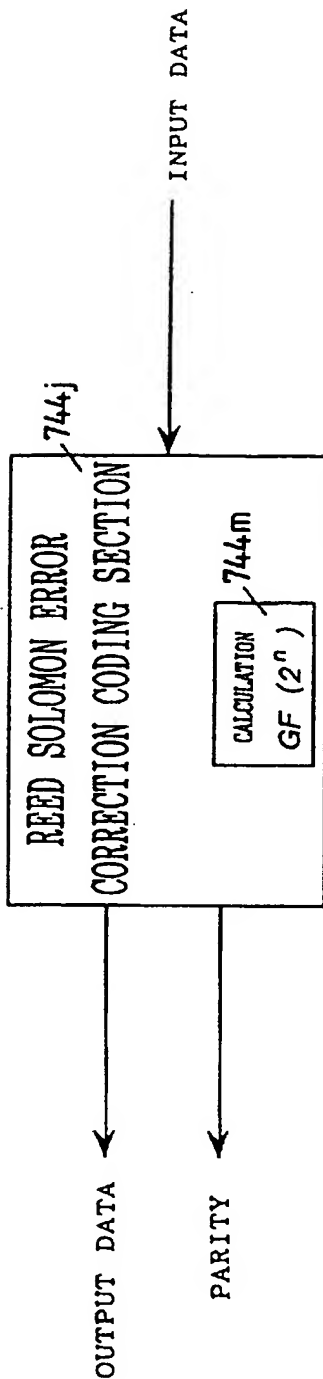


FIG. 165(b)

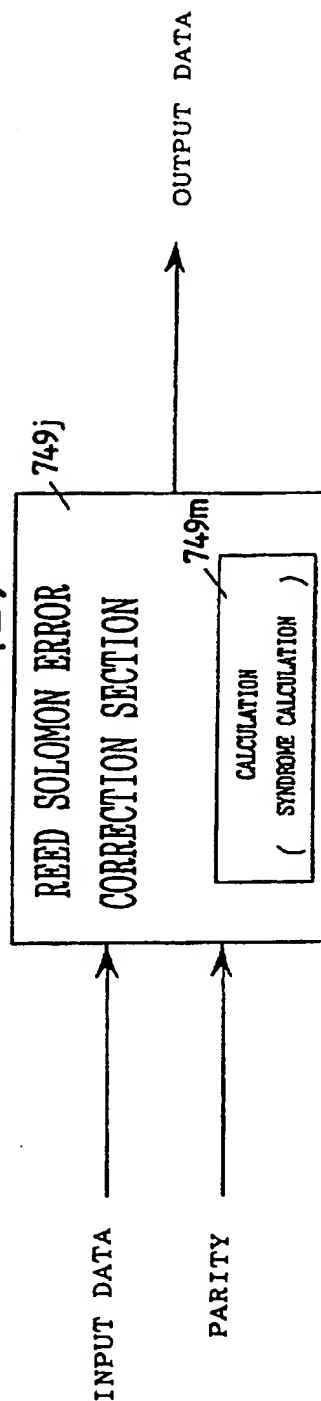


FIG. 166

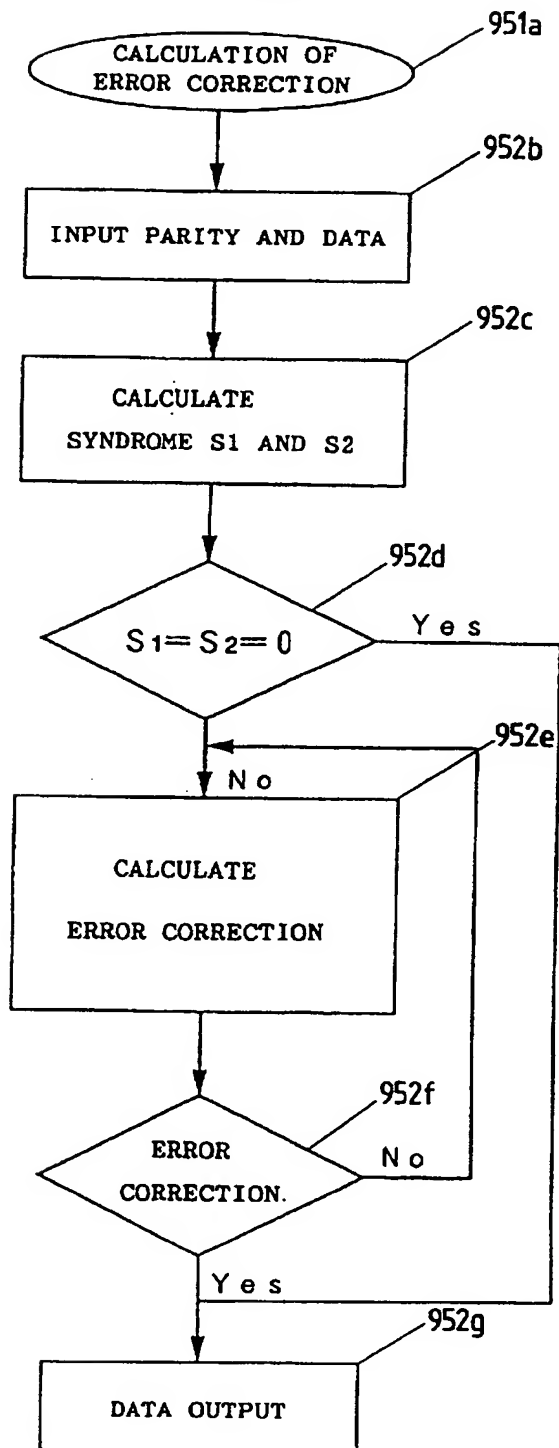


FIG. 167

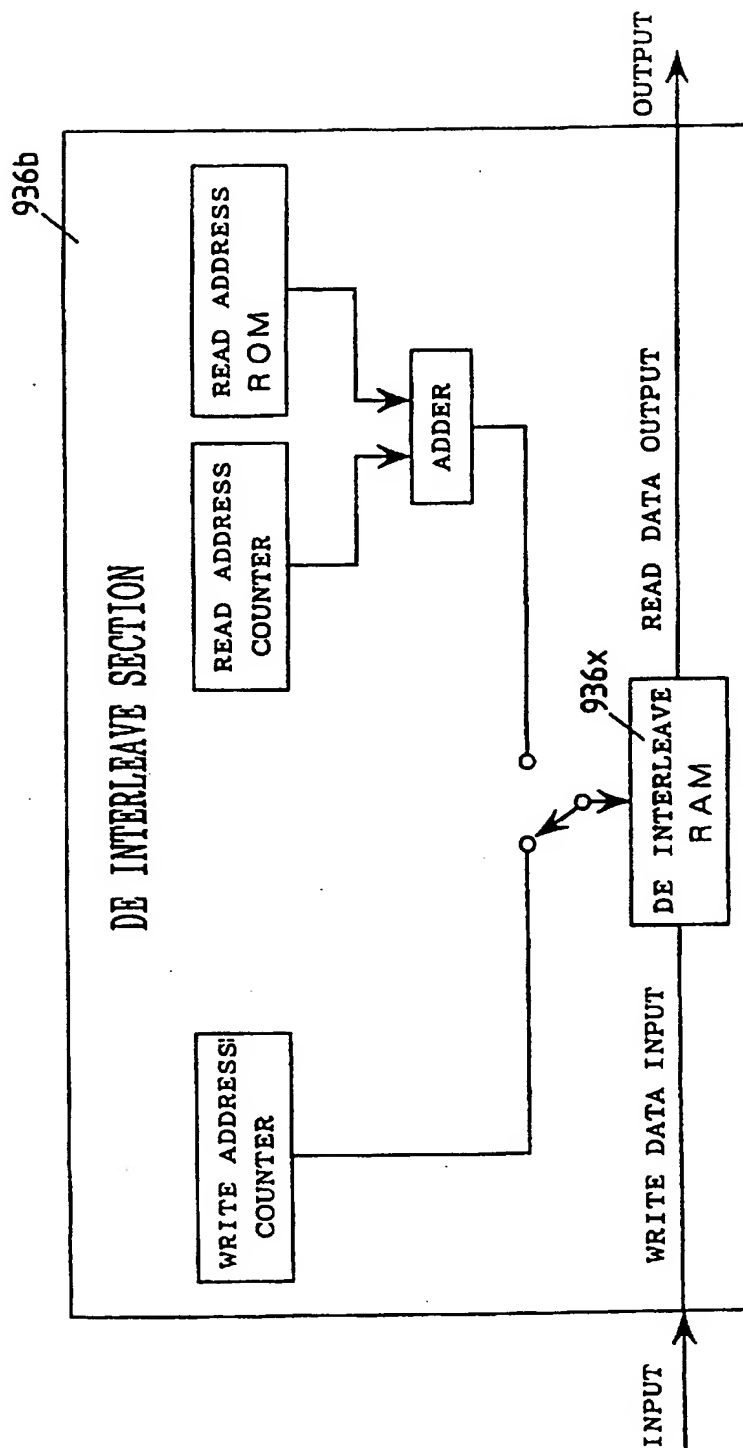


FIG. 168(a) Inter leave Table

Data							C2 Parity
1	2	3	4	5	6	7	
1 A11	A12	A13	A14	A15	A16	Parity	951a
2 B11	B12	B13	B14				
3 C11							
4 D11							
5 E11							
6 F11							
C1 Parity	Parity	Parity	Parity	Parity	Parity	Parity	953

FIG. 168(b)

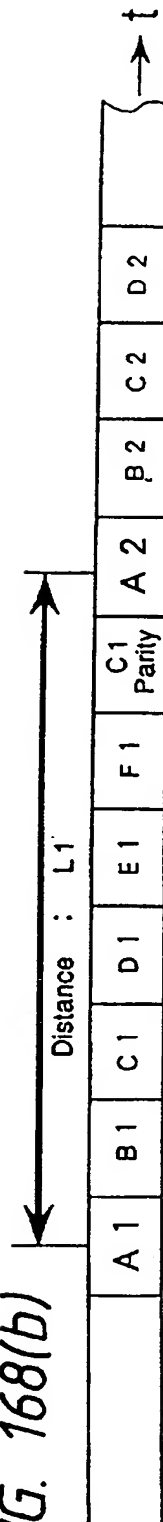


FIG. 169  
Comparison of Redundancy

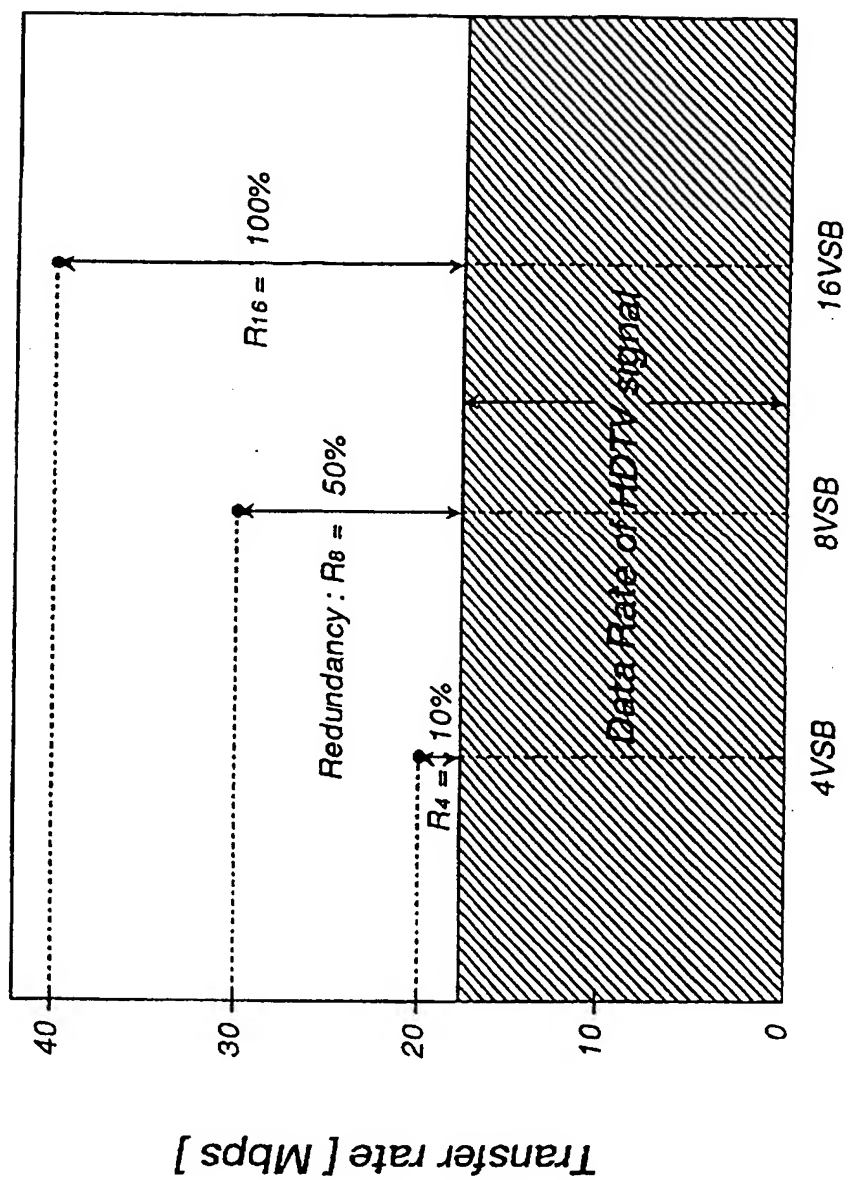


FIG. 170

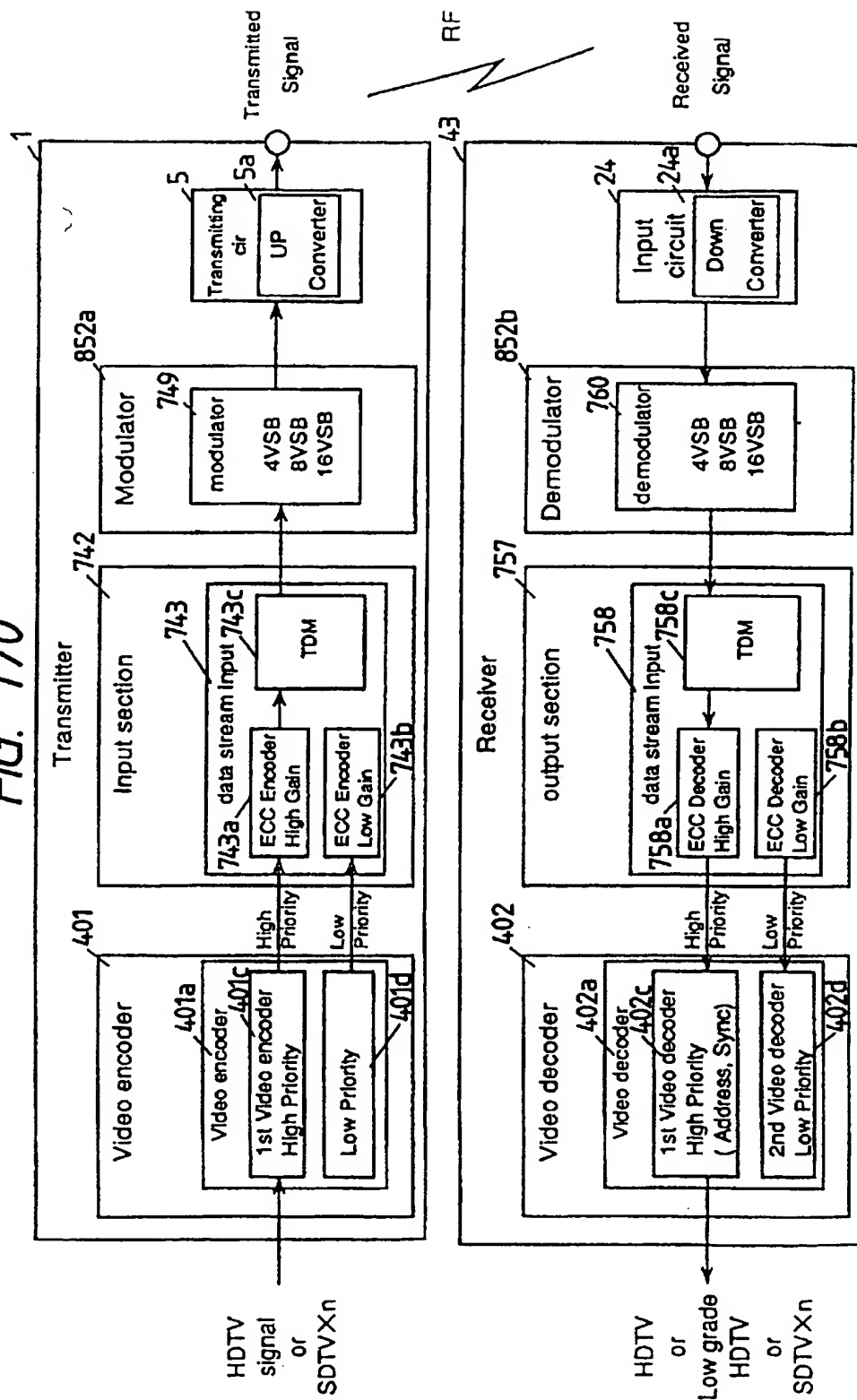


FIG. 171

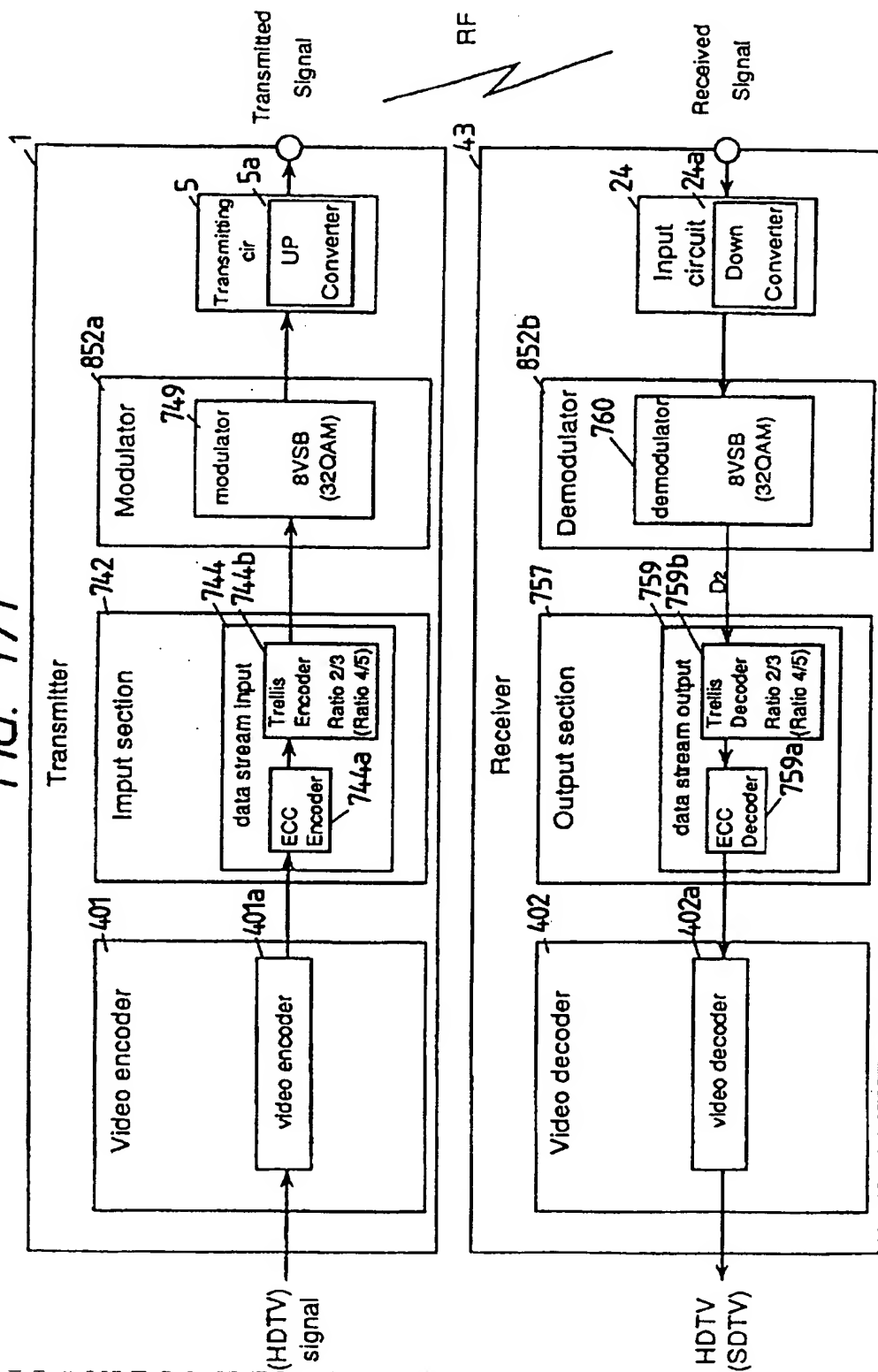




FIG. 172

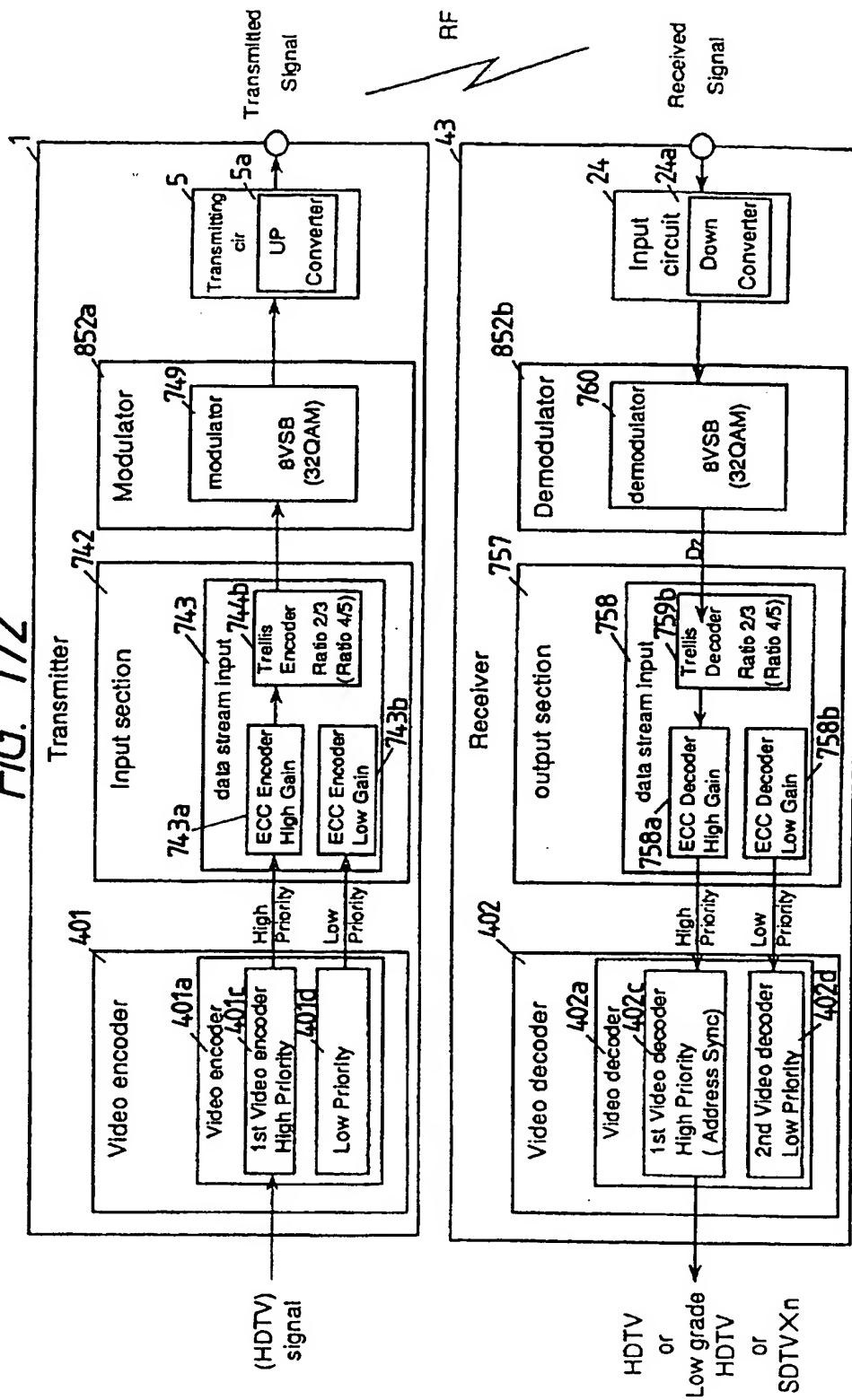


FIG. 173

